

**Estruturação de Projeto de Concessão
para Ampliação, Modernização,
Manutenção, Operação e Gestão do
Sistema de Iluminação Pública do
Consórcio de Desenvolvimento
Sustentável do Alto Sertão/BA**

Diagnóstico Técnico Operacional

ALTO SERTÃO



CONSÓRCIO VITAL

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GLOSSÁRIO

SIGLA	Significado
ABCIP	Associação Brasileira das Concessionárias Privadas de Serviços de Iluminação Pública
ABNT	Associação Brasileira de Normas Técnicas
ANEEL	Agência Nacional de Energia Elétrica
BA	Estado da Bahia
CDS	Consórcio de Desenvolvimento Sustentável do Alto Sertão
CEF	Caixa Econômica Federal
COSIP	Contribuição para Custeio do Serviço de Iluminação Pública
CTB	Código de Trânsito Brasileiro
E _{med.min}	Índice de Iluminância Média Mínima
FEP	Fundo de Apoio à Estruturação de Projetos de Concessões e PPP
FPM	Fundo de Participação dos Municípios
GWh	Gigawatts Hora
IBGE	Instituto Brasileiro de Geografia e Estatística
IP	Iluminação Pública
kWh	Quilowatts Hora
MV	Multivapor Metálico
NBR	Norma Brasileira
PDM	Plano Diretor Municipal
PPP	Parceria Público-Privado
IU	Índice de Unifomidade
TCM-BA	Tribunal de Contas dos Municípios do Estado da Bahia
VS	Vapor de Sódio
W	Medida de Potência (Watts)

1 APRESENTAÇÃO

A CAIXA (CEF), com recursos do Fundo de Apoio à Estruturação e ao Desenvolvimento de projetos de Concessão e de Parcerias Público-Privadas da União, dos Estados, do Distrito Federal e dos Municípios (FEP), está apoiando a estruturação de soluções viáveis sob o ponto de vista ambiental, social e econômico-financeiro relacionados aos serviços públicos urbanos, como Saneamento, Mobilidade Urbana e Iluminação Pública (IP).

Segundo estudo da Associação Brasileira das Concessionárias Privadas de Serviços de Iluminação Pública (ABCIP), em 2020 o número de cidades que recorreram à parceria com a iniciativa privada para projetos de iluminação pública saltou de 17 para 51. Já o número de projetos em andamento subiu de 287 para 422 em relação a 2019.

O mesmo estudo evidencia que as concessões de iluminação pública, além de contribuírem para a redução do consumo de energia, ajudam na desoneração do orçamento público e promovem a melhoria da qualidade de vida da população.

Hoje, com investimentos já contratados na ordem de R\$ 18 bilhões, prevê-se que, nos próximos dois anos, o número de brasileiros que vivem em cidades que optaram pela concessão de IP e que vão se beneficiar socialmente disso alcance os 70 milhões.

A qualidade da iluminação pública está associada a diversas externalidades positivas para o cidadão, como: aumento da segurança pública, maior circulação de pessoas na rua à noite e mais produtividade nas atividades comerciais.

Trata-se, portanto, de um setor que representa uma oportunidade excepcional para investidores, por combinar sustentabilidade ambiental e impactos sociais positivos com um modelo de negócios atrativo e seguro.

Nesse sentido, o Consórcio Vital - formado pela Elemental Desenvolvimento Imobiliário, Ambiental Engenharia e Consultoria e Dutra e Santos Sociedade de Advogados – assinou o contrato CAIXA Nº 06447/2021 para desenvolver os serviços técnicos especializados de consultoria necessários à estruturação de projeto de concessão para ampliação, modernização, manutenção, operação e gestão do sistema de iluminação pública para o Consórcio de Desenvolvimento Sustentável do Alto Sertão, integrado pelos seguintes municípios: Caculé/BA, Guanambi/BA, Iuiú/BA, Lagoa Real/BA e Sebastião Laranjeiras/BA.

Em conformidade com o Termo de Referência, esses estudos constarão de quatro etapas, a saber:

- Etapa 1 – Planejamento, Diagnóstico e Estudos.
- Etapa 2 – Estruturação do Contrato.
- Etapa 3 - Validação Externa.
- Etapa 4 – Licitação da Concessão e Contratação.

Na Etapa 1 – Planejamento, Diagnóstico e Estudos, Subetapa 1.3 – Técnico Operacional, encontra-se o Bloco 1.3.1 – Situação Técnico-Operacional com o objetivo de qualificar a infraestrutura atual instalada, as características e necessidades do Ente Público (CDS Alto Sertão), as características do modelo atual de gestão, operação e manutenção do Parque de Iluminação Pública bem como os níveis de serviço atuais.

O presente documento é o Relatório do Diagnóstico da Situação Técnico Operacional do Parque de Iluminação Pública, que segundo o Termo de Referência, inclui, dentre outros aspectos:

- Inventário da infraestrutura existente bem como sua situação patrimonial;
- Análise da confiabilidade das informações disponibilizadas pelo Ente Público;
- Inventário de classificação viária das vias do Ente Público;
- Distribuição dos pontos/tipos de iluminação de acordo com a classificação viária e demais elementos (praças, parques e outros);
- Iluminação de Destaque;
- Identificação de áreas com deficiência de cobertura;
- Mapeamento e avaliação acerca dos projetos de expansão e modernização em andamento ou em fase de contratação e seu impacto;
- Análise do modelo atual de operação e manutenção do Parque de Iluminação Pública.

2 OBJETIVOS DO RELATÓRIO

Este Relatório de Diagnóstico da Situação Técnico Operacional da Iluminação Pública do Consórcio Sustentável de Desenvolvimento (CDS) do Alto Sertão tem como objetivo apresentar as características do Parque de Iluminação Pública dos municípios integrantes em relação às condições atuais encontradas através de vistoria de campo e análise de dados documentais fornecidos pelas prefeituras para o levantamento do inventário de toda infraestrutura dos respectivos Parques de Iluminação Pública.

Este produto está dividido nos seguintes grandes temas:

- Diagnóstico Técnico da Rede de IP;
- Análise dos cadastros de Iluminação Pública disponíveis, histórico do consumo de energia, qualidade do parque de IP;
- Análise das informações sobre classificação viária disponível nos municípios;
- Mapeamento da operação e manutenção atual dos parques de IP;
- Análise do histórico de expansão dos parques de IP, projeções futuras, demanda reprimida e projetos de modernização realizadas ou em andamento;
- Levantamento de todas as despesas com os serviços de Iluminação Pública;
- Análise da arrecadação da COSIP (modelo atual, comparativo com despesas).
- Análise Institucional da Operação Atual, identificação da estrutura organizacional dos Municípios voltada para os serviços de Iluminação Pública e o modelo de governança existente.
- Barreiras Regulatórias e Análise dos contratos vigentes junto à Distribuidora de Energia Elétrica do Estado;
- Análise dos contratos com os operadores atuais dos parques de IP.

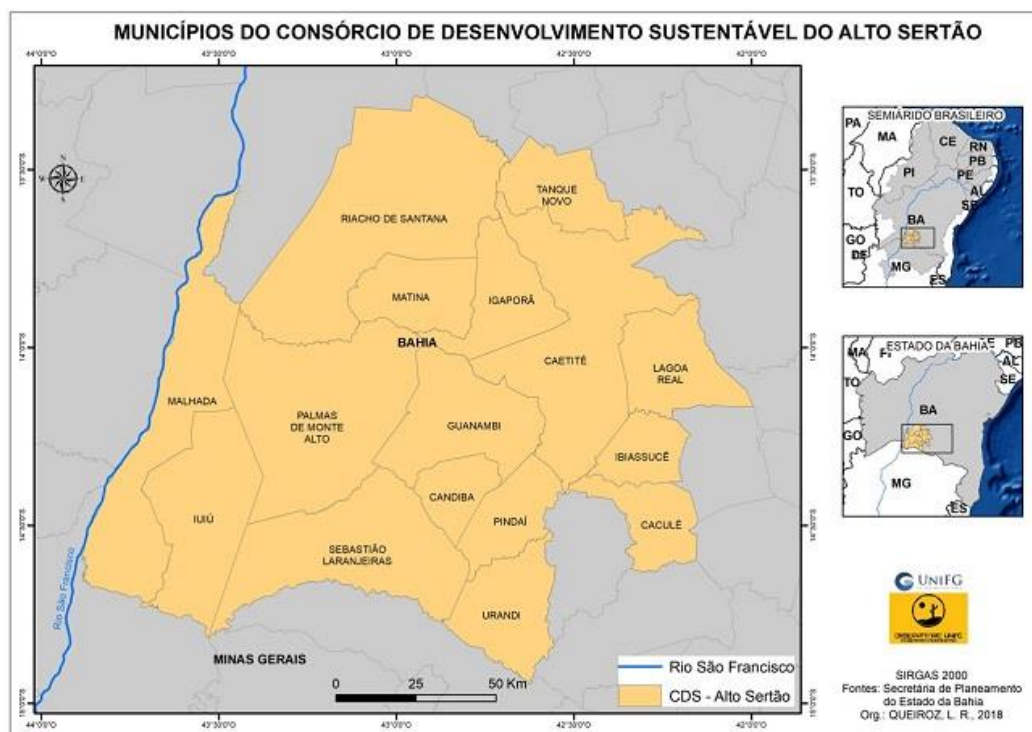
As informações contidas nesse Relatório servirão de subsídio para a elaboração de um cenário futuro dos Parques de IP dos municípios integrantes do CDS do Alto Sertão. Este documento apresenta as principais premissas que deverão ser seguidas para elaboração dos próximos relatórios desse Projeto.

3 CONTEXTUALIZAÇÃO DA ÁREA

3.1 O Consórcio de Desenvolvimento Sustentável do Alto Sertão

A região do Alto Sertão se encontra no sudoeste baiano e é um grande polo de investimentos, principalmente na área de mineração e pecuária. O Consórcio de Desenvolvimento Sustentável (CDS) do Alto Sertão foi criado através da Lei nº 713, de 22 de março de 2013 que ratifica protocolo de intenções para a constituição do consórcio. Inicialmente, foram subscritores do protocolo de intenções 25 municípios, contudo somente 13 chegaram a constituir-lo, e atualmente é integrado por 17 municípios: Palmas de Monte Alto, Malhada, Candiba, Guanambi, Pindaí, Lagoa Real, Caetité, Ibiassucê, Rio do Antônio, Urandi, Iuiú, Matina, Caculé, Sebastião Laranjeiras, Tanque Novo, Riacho de Santana e Igaporã. Na Figura 1 é possível visualizar a localização dos municípios componentes do CDS, à exceção de Rio do Antônio, que passou a integrar o Consórcio após 2016 (data da elaboração do mapa).

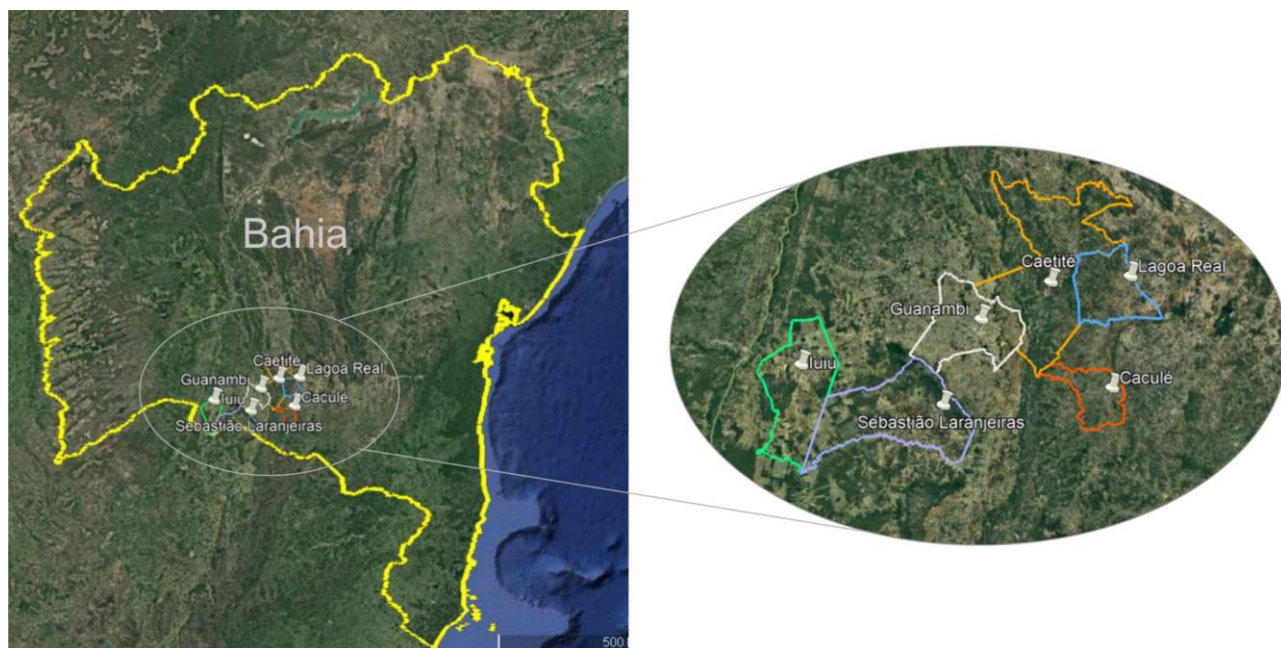
Figura 1 – Mapa de localização dos Municípios do Alto Sertão



Dentro do universo de municípios que compõem o CDS do Alto Sertão, **5** irão participar do estudo abordado nesse relatório (Figura 2), sendo apresentada a seguir uma contextualização para cada um deles.

A estrutura de apresentação das informações dos municípios neste relatório seguirá a ordem cronológica das visitas realizadas em campo.

Figura 2 – Localização dos municípios de estudo



3.1.1 Sebastião Laranjeiras

Fundada em fins de julho de 1962, a cidade de Sebastião Laranjeiras está 908km distante de Salvador. Limita-se ao norte com Palmas de Monte Alto, ao sul com o Estado de Minas Gerais, ao leste com os municípios de Pindaí e Urandi e ao oeste com o município de Iluiu.

O município é composto por 02(dois) distritos: Sebastião Laranjeiras (Sede) e Mandiroba, localizado a 18 km da sede; e três zonas urbanas: Núcleo Habitacional III, Mato Grosso e Piranhas; além de seis povoados e oito assentamentos da Reforma Agrária, habitados por uma população estimada de 11.586 pessoas (IBGE, 2021).

Em 2020, o salário médio mensal era de 1.7 salários-mínimos, e a proporção de pessoas ocupadas em relação à população total era de 5.1%. Os principais setores econômicos são a agropecuária e serviços.

A prefeitura obteve receita orçamentária total de R\$40.637.979,76 no ano de 2020, sendo a maior parte (95%), de fontes externas, característica compartilhada por

grande parte dos municípios brasileiros. A Figura 3 e a Figura 4 são imagens da sua sede.

Figura 3 - Sede da Prefeitura Municipal de Sebastião Laranjeiras



Figura 4 - Praça da Matriz, Sede de Sebastião Laranjeiras



3.1.2 Iuiu

Com uma população estimada para 2021 pelo IBGE de 11.038 pessoas em uma área de 1.525,14 km², Iuiu foi criado por força da Lei nº 4.833 de 24 de fevereiro de 1989, quando se emancipou politicamente da cidade de Malhada.

A economia no município gira em torno da agropecuária, destacando-se no plantio de feijão, milho, sorgo, maracujá, entre outras culturas, bem como na produção de leite.

Com a recente lei municipal nº 338 de 14 de dezembro de 2021, a sede do município recebeu a seguinte subdivisão em bairros: Novo Horizonte, Planaltina, Jardim Castália, Barragem, Morrinhos, Taboinha, Jacarezinho e Centro. Na sede do município, além da Praça Joaquim Umbuzada, considerada como o Marco Zero do município, destacamos as praças Abílio Pereira e a Praça Santa Luzia, enquanto no Distrito de Pindorama observa-se como destaque a Praça Etelvino Santana.

Destacam-se aqui a Praça Santa Luzia (Figura 5), assim como a arte fixada considerada como Marco Zero do município (Figura 6), na Praça Joaquim Umbuzada.

Figura 5 – Praça Santa Luzia



Figura 6 – Arte do Marco Zero municipal



3.1.3 Guanambi

Guanambi é o município mais populoso do estudo, com população estimada para 2021 em 85.353 pessoas (IBGE, 2022). A última divisão territorial do município, datada de 2003, o divide em 4 distritos: Guanambi, Ceraíma, Morrinhos e Mutãs em uma área total de 1.272,36 km². O PIB do município é de cerca de R\$ 1,4 bilhão de reais (IBGE/2019), sendo que 61,2% do valor adicionado advém dos serviços, na sequência aparecem as participações da administração pública (23,2%), da indústria (13,2%) e da agropecuária (2,4%).

Relativamente novo, Guanambi foi emancipado em 14 de agosto de 1919 e se destaca na região por sua alta taxa de urbanização, alcançado a marca de 79,36% em 2010 (IBGE) e por possuir um aeroporto que facilita as relações econômicas e sociais na região.

Além dos distritos, a cidade se divide em aproximadamente 57 bairros, incluindo o Centro, como Aeroporto Velho, Alto Caiçara, Amambaí, Alvorada, Araújo, Beneval Boa Sorte, Beija Flor I, II e III, Bela Vista e Belo Horizonte.

Destacam-se como pontos de importância no município e Represa de Ceraíma (Figura 7), o Parque da Cidade Municipal (Figura 8) e a Praça do Feijão.

Figura 7 – Represa de Ceraíma



Figura 8 – Letreiro do Parque da Cidade



3.1.4 Caculé

O município de Caculé foi criado em 14 de agosto de 1919, com território desmembrado do município de Caetité. Sua população total estimada em 2021 era de 23.407 pessoas (IBGE).

A festa mais tradicional da cidade é o São João, com diversas atividades e festejos organizados durante o mês de junho.

O PIB da cidade é de cerca de R\$ 286,5 milhões, sendo que 56,2% do valor adicionado advém dos serviços, na sequência, aparecem as participações da administração pública (31,3%), da indústria (8,3%) e da agropecuária (4,2%).

Figura 9 - Praça da Prefeitura



Figura 10 - Lagoa Manoel Caculé



3.1.5 Lagoa Real

Conhecido como “Terra da Vaquejada”, o município de Lagoa Real foi fundado em 14 de maio de 1989, quando se emancipou de Caetité. Sua população estimada é de 15.870 habitantes (IBGE, 2021) e seu território abrange uma área de 912,222 km².

Distante 731 km da Capital do estado, tem como principal evento cultural a 'Missa do Vaqueiro', organizada no mês de junho, e que atrai visitantes de diversos municípios vizinhos.

Suas principais atividades econômicas vinculam-se aos setores de serviços, agricultura e pecuária (especialmente pequenos produtores organizados em cooperativa), destacando-se também por possuir nos limites de seu território uma das maiores jazidas de urânio do Brasil.

Segundo o IBGE, a população formalmente ocupada representa 6,1% da população total, e o salário médio mensal em 2020 era de 1.6 salário-mínimo. O IBGE destaca também que, no município de Lagoa Real, 5,3% dos domicílios dispõem de esgotamento sanitário adequado e possui 0% de domicílios urbanos em vias públicas com urbanização adequada, presença de bueiro, calçada, pavimentação e meio-fio).

Dados do Tribunal de Contas dos Municípios do Estado da Bahia (TCM-BA) indicam que no ano de 2020 o município de Lagoa Real teve receita orçamentária total de pouco mais de R\$ 47 milhões, sendo mais de 95% delas oriundas de fontes externas, principalmente do Fundo de Participação dos Municípios (FPM).

Figura 11 - Parque da Vaquejada



Figura 12 - Praça da Igreja



4 CARACTERIZAÇÃO DO PARQUE DE ILUMINAÇÃO PÚBLICA

4.1 Inventário da Infraestrutura Existente e da Situação Patrimonial

4.1.1 Base de Dados de Cadastro de Iluminação Pública

Para análise das informações acerca do cadastro de Iluminação Pública dos municípios consorciados, foram utilizadas as bases fornecidas pela concessionária Coelba, conforme apresentado a seguir.

➤ **Caculé**

Referência: Cadastro de pontos de IP (recebido em 06/01/2022).

Formato: kmz.

Quantidade de Pontos de IP: 3.101.

Informações disponíveis: Código Ponto, Logradouro, Bairro, Latitude, Longitude, Tipo de Lâmpada e Potência.

➤ **Guanambi**

Referência: Cadastro de pontos de IP (recebido em 06/01/2022).

Formato: kmz.

Quantidade de Pontos de IP: 12.634.

Informações disponíveis: Código Ponto, Logradouro, Bairro, Latitude, Longitude, Tipo de Lâmpada e Potência.

➤ **Iuiu**

Referência: Cadastro de pontos de IP (recebido em 06/01/2022).

Formato: kmz.

Quantidade de Pontos de IP: 1.305.

Informações disponíveis: Código Ponto, Logradouro, Bairro, Latitude, Longitude, Tipo de Lâmpada e Potência.

➤ **Lagoa Real**

Referência: Cadastro de pontos de IP (recebido em 22/12/2022).

Formato: kmz.

Quantidade de Pontos de IP: 1.458.

Informações disponíveis: Código Ponto, Logradouro, Bairro, Latitude, Longitude, Tipo de Lâmpada e Potência.

➤ Sebastião Laranjeiras

Referência: Cadastro de pontos de IP (recebido em 21/01/2022).

Formato: kmz.

Quantidade de Pontos de IP: 1.023.

Informações disponíveis: Código Ponto, Logradouro, Bairro, Latitude, Longitude, Tipo de Lâmpada e Potência.

As análises apresentadas nos próximos tópicos tiveram como base, além do cadastro de IP disponibilizado pela concessionária, um trabalho de verificação *in loco* do cadastro de IP, de forma amostral, com visitas em diversos pontos selecionados aleatoriamente, em linha com a definição da NBR 5426.

Este relatório apresenta as análises e considerações quanto às divergências do cadastro de IP com as informações coletadas no campo

4.1.2 Base de Dados de Cadastros de Iluminação Pública

Para levantamento dos inventários dos parques de Iluminação Pública (IP) dos municípios consorciados, foram utilizadas informações enviadas pelas Prefeituras Municipais e pela distribuidora de energia Coelba.

São informações constantes no cadastro enviado:

- Localização dos pontos de iluminação;
- Tipo e potência de lâmpadas.

As nomenclaturas utilizadas nos tipos de lâmpadas dividem-se da seguinte forma:

• VM: Vapor mercúrio;	• PL: Fluorescente
• MV: Multivapor;	• HL: Halogênica;
• MT: Metálico;	• IN: Incandescente
• MVM: Multivapor Metálico;	• LD: LED
• VS: Vapor de Sódio	

Os cadastros dos municípios do CDS do Alto Sertão, foram enviados pelas prefeituras em 21/01/2022 (data do recebimento do último cadastro) e estão resumidos em seus quantitativos na Tabela 1.

Tabela 1 – Quantitativo de Pontos de IP por Município				
Cidade	Quantidade de Pontos	Potência Média Cadastro (kW)	Habitantes	Hab./Ponto
Caculé	3.317	79,52	23.407	7,06
Guanambi	12.634	193,53	85.353	6,76
Iuiu	1.305	144,10	11.038	8,46
Lagoa Real	1.458	115,94	15.870	10,88
Sebastião Laranjeiras	1.012	154,16	11.586	11,45
Total	19.726	137,45	147.254	8,92

A distribuição de tipos e suas respectivas potências dos cadastros municipais estão apresentados na Tabela 2 à Tabela 6.

Tabela 2 – Caculé			
Tipo	Potência (W)	Qnt	%
FL	25	15	-
	30	37	1%
	40	1	-
IN	100	1	-
LD	100	4	-
	15	6	-
	30	17	1%
	50	69	2%
	80	6	-
	9	1	-
MT	160	13	-
MV	150	7	-
	250	35	1%
	400	1	-
	70	31	1%
VS	150	111	3%
	250	97	3%
	400	4	-
	70	2861	86%
Total Geral		3.317	100%

Tabela 3 – Guanambi			
Tipo	Potência (W)	Qnt	%
HL	150	1	-
IN	60	1	-
LED	0	4	-
	10	16	-
	15	1	-
	50	8	-
	100	5	-
ME	150	13	-
	250	171	1%

	400	55	-
MT	160	60	-
	250	10	-
	500	6	-
PL	15	5	-
	25	7	-
	30	8	-
	32	1	-
	45	34	-
	46	1	-
VM	80	142	1%
	125	506	4%
	250	28	-
	400	82	1%
VS	70	4012	32%
	100	19	-
	150	243	2%
	250	6343	50%
	360	4	-
	400	848	7%
Total Geral		12.634	100%

Tabela 4 – Iuiu			
Tipo	Potência (W)	Qnt	%
HL	500	1	-
LD	20	8	1%
	30	23	2%
	40	11	1%
	50	1	-
	100	34	3%
	150	85	7%
	200	12	1%
ME	70	31	2%
	250	32	2%
	400	48	4%
MT	160	18	1%
MV	250	4	-
	400	2	-
PL	25	4	-
	30	1	-
	40	4	-
	45	20	2%
	55	3	-
	85	1	-
VM	80	12	1%
	125	838	64%
	400	1	-
VS	70	28	2%
	150	1	-
	250	59	5%
	400	23	2%
Total Geral		1305	100%

Tabela 5 – Lagoa Real			
Tipo	Potência (W)	Qnt	%
FL	20	2	-
	25	4	-
	30	36	2%
	40	7	-
	45	19	1%
	46	1	-
HL	300	1	-
IN	60	2	-
LD	8	1	-
	9	5	-
	12	6	-
	15	12	1%
	30	1	-
	40	3	-
	45	1	-
	100	39	3%
	200	3	-
ME	70	1	-
	150	1	-
	250	5	-
	400	3	-
MT	160	8	1%
	500	1	-
MV	70	19	1%
	250	42	3%
	400	27	2%
VM	80	1	-
	125	5	-
VS	70	997	68%
	100	9	1%
	150	20	1%
	250	71	5%
	400	105	7%
Total Geral		1458	100%

Tabela 6 – Sebastião Laranjeiras			
Tipo	Potência (W)	Qnt	%
LED	30	19	2%
ME	173	1	-
MT	160	10	1%
VM	91	5	-
	140	796	79%
	278	2	-
VS	84	58	6%
	172	24	2%
	280	65	6%
	438	32	3%
Total Geral	-	1012	100%

De forma ilustrativa, do Gráfico 1 ao Gráfico 5 são representadas as distribuições dos pontos predominantes nos parques de Iluminação Pública de cada município.

Gráfico 1 – Cadastro Sebastião Laranjeiras

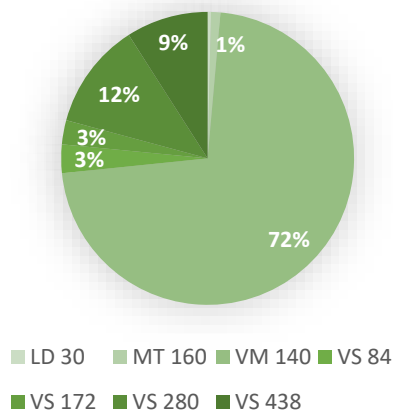


Gráfico 2 – Cadastro Iuiu

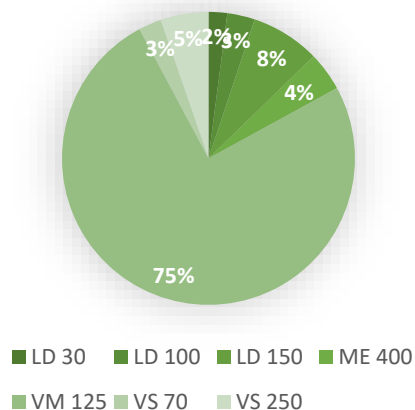


Gráfico 3 – Cadastro Guanambi

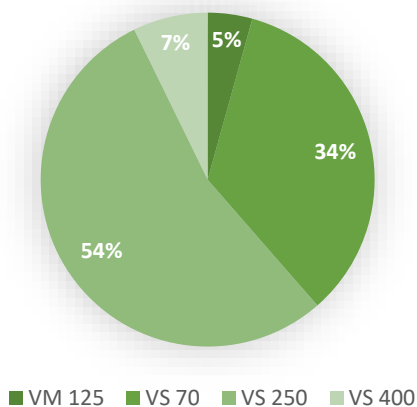


Gráfico 4 – Cadastro Caculé

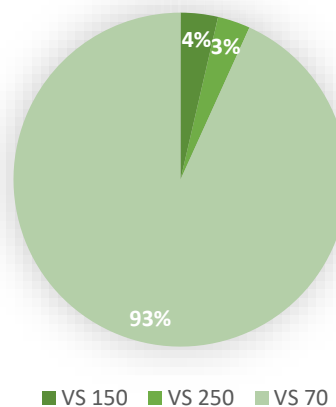
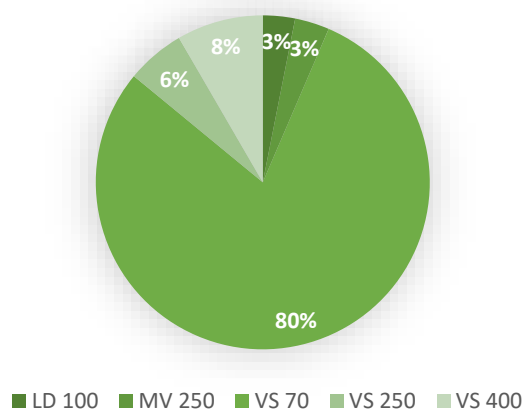


Gráfico 5 – Cadastro Lagoa Real



A qualidade dos dados foi verificada por amostragem em levantamento de campo, conforme detalhado no item 4.2.2.

4.2 Metodologia do Levantamento Amostral em Campo

As inspeções de qualidade do Cadastro de IP nas vias dos municípios consorciados ocorreram por avaliações amostrais definidas a partir das orientações

descritas nas normas: ABNT NBR 5426 – Planos de Amostragem e procedimentos na inspeção por atributos e ABNT NBR 5427 – Guia de utilização da norma NBR 5426, conforme solicitado no Termo de Referência (Contrato nº 6447/2021 CAIXA).

Essas normas orientam quanto ao estabelecimento de planos de amostragem e procedimentos para inspeção por atributos. A inspeção por amostragem, realizada segundo critérios das normas NBR 5426 e NBR 5427, possibilita avaliar a qualidade de todo o parque de iluminação pública a partir da avaliação de amostra estatisticamente significativa.

4.2.1 Levantamento Amostral com base na ABNT NBR 5426

As amostras de coleta foram divididas em dois grupos de informações:

- Grupo 1: Iluminância: com o objetivo de verificar o atendimento das vias à Norma NBR 5101 no que se refere aos parâmetros de iluminância média e uniformidade (iluminância mínima/ iluminância média);
- Grupo 2: Parâmetros das vias (largura da via, espaçamento entre postes etc.) e de montagem (altura da luminária, comprimento do braço etc.) com o principal objetivo de validar as informações contidas no cadastro de Iluminação Pública (potência e tecnologia, principalmente) e coletar informações necessárias para realização dos projetos luminotécnicos.

4.2.1.1 Determinação da Amostra

Como exemplo da metodologia adotada, o passo a passo a seguir foi modelado a partir do município de Guanambi (12.634 pontos)

A partir das orientações da norma ABNT NBR 5427 e aplicando-as na NBR 5426, a amostra foi definida da seguinte forma:

- Codificação de amostragem a partir do tamanho do lote (em vermelho) pela tabela 1 da NBR 5426/1989 (Figura 13): 12.634 de pontos de luz, considerando:
 - ✓ Para determinação do número mínimo da amostra, foi aplicado o nível de inspeção I para o Grupo 1 (em azul) e o nível de inspeção II para o Grupo 2 (em laranja).

Figura 13 – Tabela para determinação de amostragem

Tamanho do lote			Níveis especiais de inspeção				Níveis gerais de inspeção		
			S1	S2	S3	S4	I	II	III
2	a	8	A	A	A	A	A	A	B
9		15	A	A	A	A	A	B	C
16		25	A	A	B	B	B	C	D
26		50	A	B	B	C	C	D	E
51		90	B	B	C	C	C	E	F
91		150	B	B	C	D	D	F	G
151		280	B	C	D	E	E	G	H
281		500	B	C	D	E	F	H	J
501		1200	C	C	E	F	G	J	K
1201		3200	C	D	E	G	H	K	L
3201		10000	C	D	E	G	I	L	M
10001		35000	C	D	F	H	K	M	N
35001		150000	D	E	G	J	L	N	P
150001		500000	D	E	G	J	M	P	Q
Acima de 500001			D	E	H	K	N	Q	R

Fonte: NBR 5426, 1989.

Com a relação entre o tamanho do lote e os devidos níveis de inspeções requeridos, foram fixadas as codificações K para o grupo 1 e M para o grupo 2.

- A partir da tabela 2 da NBR 5426, Plano de Amostragem Simples, com Regime de Inspeção Normal, obteve-se os tamanhos das amostras do Grupo 1 (azul) e Grupo 2 (laranja), considerando um nível de confiança de 95% (Nível de Qualidade Aceitável preferencial 4,0), conforme a FFigura 14.

Figura 14 - Plano de Amostragem Simples – Normal

Código de amostra	Tamanho da amostra	NOA																														
		0,010	0,015	0,025	0,040	0,065	0,10	0,15	0,25	0,40	0,65	1,0	1,5	2,5	4,0	6,5	10	15	25	40	65	100	150	250	400	650	1000					
		Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	Ac Re	
A	2																															
B	3																															
C	5																															
D	8																															
E	13																															
F	20																															
G	32																															
H	50																															
J	80																															
K	125																															
L	200																															
M	315																															
N	500																															
P	800																															
Q	1250																															
R	2000																															

Fonte: NBR 5426, 1989.

O dimensionamento das amostras foi concluído da seguinte forma, para o município de Guanambi:

- Grupo 1: 125 pontos;
- Grupo 2: 315 pontos.

Seguindo a mesma metodologia para os demais municípios, o dimensionamento amostral está resumido pela Tabela 7.

Tabela 7 – Dimensionamento das Amostras				
Município	Grupo 2	Qnt	Grupo 1	Qnt
Caculé	K	125	H	50
Guanambi	M	315	K	125
Iuiu	K	125	H	50
Lagoa Real	K	125	H	50
Sebastião Laranjeiras	J	80	G	32
Total	-	770	-	307

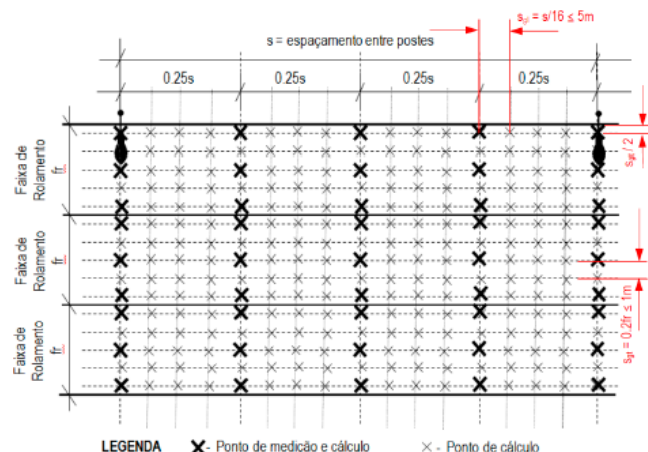
4.2.2 Procedimentos de Campo

Para realizar a verificação do sistema de iluminação pública (SIP) dos municípios participantes desta modelagem, foram realizadas inspeções de campo para verificar os níveis de iluminância e uniformidade das vias.

A metodologia de verificação dos grupos 1 e 2, seguiu a NBR 5101/2018 e o quantitativo amostral foi determinado através da NBR 5426/1989, conforme descrito acima no item 4.2.1.1.

Para o levantamento do grupo 1, de iluminância, o procedimento de coleta de dados ocorreu de acordo com o ilustrado na Figura 15.

Figura 15 – Malha para Verificação Detalhada



Fonte: NBR 5101, 2018.

O espaçamento entre os pontos da malha e o quantitativo de pontos de medições foram definidos seguindo recomendação da NBR 5101/2018, e estão resumidos na Tabela 8.

Tabela 8 – Malhas de Medições		
Número de faixas de rolamentos	Quantidade de pontos da grade de cálculo	Quantidade de pontos da grade de medição
1	$17 \times 5 = 85$	15
2	$17 \times 10 = 170$	30
3	$17 \times 15 = 255$	45
4	$17 \times 20 = 340$	60
5	$17 \times 25 = 425$	75

Fonte: NBR 5101, 2018.

As medições de iluminância foram realizadas nos pontos indicados em malha, utilizando-se os Luxímetros ICEL LD-550 (calibrados em 17 de novembro de 2021 com certificados nº 126616/21, 126617/21 e 126618/21).

Figura 16 - Luxímetro ICEL LD-550 utilizado em campo.



Fonte: Instrutherm

4.2.2.1 Planejamento das Medições

O planejamento de medições buscou contemplar todos os tipos de vias dos Municípios.

O método escolhido de análise levou em consideração os parâmetros da norma NBR 5101 em relação a padrões de estrutura e iluminância das hierarquias viárias.

As principais características estruturais (Grupo 2) observadas foram:

- Dimensões da via;
- Tipo da Via;
- Espaçamento entre centros luminosos;
- Comprimento do braço (projeção horizontal);
- Altura de montagem;
- Tipos e potências de lâmpadas e luminárias,
- Braços e redes;
- Fluxo do trânsito e tráfego pedestres;
- Avaliação do levantamento de acidentes de trânsito nas vias;
- Influência da arborização.

4.2.2.2 Seleção dos Pontos para Levantamento

A partir dos Cadastros elaborados pela Distribuidora, foi feita a escolha aleatória da amostra de pontos considerando os seguintes fatores:

- Foi utilizada a mesma amostra para a verificação dos parâmetros dos grupos 1 e 2: os pontos do grupo 1 estão contidos dentro dos pontos do Grupo 2;
- A amostra foi selecionada apenas dentro dos limites das áreas urbanas dos municípios, compreendendo seus Distritos. Isso porque a normatização das vias rurais de acordo com a NBR 5101 traria impactos financeiros substanciais ao projeto, sem retorno social compatível pelo baixo fluxo de movimento nas vias;
- O lote cadastral de iluminação pública não é homogêneo. São diferentes tipos e potências de lâmpadas e luminárias, além de outras características estruturais (altura de montagem, comprimento de braço, largura de via etc.) que constituem os parques de IP;

- São também distintos os usos, importância e necessidades das vias e locais públicos. Também devem ser destacados os pontos de iluminação especiais previstos na NBR 5101 (praças, interseções, túneis, pontes etc.);
- Para permitir a correta adoção da seleção aleatória prevista na norma NBR 5426, procedeu-se a uma amostragem estratificada, que envolveu a divisão do cadastro em subgrupos homogêneos para diferentes configurações da IP, conforme previsto no item 4.4 da referida norma. Para tanto, empreendeu-se a divisão do cadastro em subgrupos por tipo de via, que apresenta grande correlação com tipo e potência de lâmpada e atende à necessidade de hierarquizar o futuro projeto de engenharia pela importância que têm para as cidades. Isso porque são os pontos de maiores potências, mais concentrados (impactos financeiros), com maiores fluxos, mais acidentes e mais ocorrências criminais (impactos sociais);
- Amostras aleatórias foram então selecionadas dentro de cada subgrupo nas proporções definidas, conforme apresentado a seguir:
 - Vias arteriais;
 - Vias coletoras do município;
 - Vias locais em diversos bairros.

4.2.2.3 Agenda

O levantamento dos pontos foi realizado entre os dias 01/02/2022 e 16/02/2022 e o seu detalhamento é apresentado por município. No total foram levantados aproximadamente 800 pontos, em diversos tipos de configurações viárias.

Os mapeamentos apresentados nas figuras, elaborados pelo *Google Maps*, têm a seguinte legenda:

- Em azul os pontos do Grupo 1: Iluminância;
- Em laranja os pontos do Grupo 2: Estrutural.

Cabe lembrar que as ações realizadas no Grupo 1, iluminância, também fazem parte das ações do Grupo 2, estrutural.

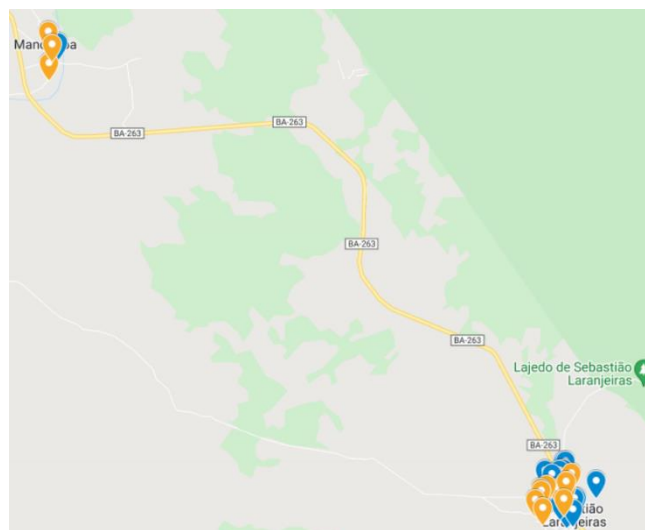
➤ Sebastião Laranjeiras

As visitas foram realizadas nos dias 01/02/2022 e 05/02/2022 e os endereços estão listados na Tabela 9.

Tabela 9 – Endereços Visitados – Sebastião Laranjeiras		
Logradouro	Data	Classificação
BA-263	1/2/22	Coletora
Rua Olímpio Monteiro Magalhães	1/2/22	Local
Rua Laudilino Rodrigues Monção	1/2/22	Local
Rua Dois de Maio	1/2/22	Local
Rua do Livramento	1/2/22	Local
Rua das Oliveiras	1/2/22	Local
Av. Duque de Caxias	1/2/22	Local
Rua Arlindo Pereira dos Santos	5/2/22	Local
Rua Antonio Francisco Dias	5/2/22	Local
Rua Olímpio Monteiro Magalhães	5/2/22	Local
Av. Sebastião Rocha	5/2/22	Local
Av. Livramento	5/2/22	Local
Av. Tiradentes	5/2/22	Local
Av. Sete de Setembro	5/2/22	Arterial
Rua Dom Pedro I	5/2/22	Local
Travessa Santa Rita	5/2/22	Local
Rua Dois de Maio	5/2/22	Local
Rua José Cândido de Macedo	5/2/22	Local
Av. Sete de Setembro	5/2/22	Local
Rua João Roberto Cotrim	5/2/22	Local
Av. Santa Cruz	5/2/22	Coletora
Rua Paulo Diamantino	5/2/22	Coletora
Av. Sete de Setembro	5/2/22	Arterial
Rua João Carlos Leão	5/2/22	Local
Rua Ver. Carvalho Pinto	5/2/22	Local
Rua Geraldo Carvalho Patel	5/2/22	Local

A Figura 17 ilustra os pontos levantados no período.

Figura 17 - Pontos levantados no município de Sebastião Laranjeiras, Sede e Distrito de Mandiroba.



➤ Iuiu

A vistoria foi realizada nos dias 01/02/2022 e 02/02/2022 e os endereços visitados estão listados na Tabela 10.

Tabela 10 – Endereços Visitados – Iuiu		
Logradouro	Data	Classificação
Rua Dalva Feitosa	1/2/20	Local
Av. Etelvino Santana	2/2/22	Coletora
BA-160	2/2/22	Coletora
Av. Vicente Cristo Lopes	2/2/22	Coletora
Av. Oscar Teixeira	2/2/22	Coletora
Av. Tiradentes	2/2/22	Coletora
Rua Vicente Cristo Lopes	2/2/22	Coletora
Estrada para Rio Verde Pequeno	2/2/22	Local
Rua Agenor Pereira	2/2/22	Local
Rua Eduardo Queiroz	2/2/22	Local
Travessa Robson Caires	2/2/22	Local
Rua Augusto Rocha	2/2/22	Local
Rua Alvorada	2/2/22	Local
Rua Zilda Malheiros	2/2/22	Local
Tv. Aberlado Azevedo	2/2/22	Local
Rua Joaquim Severo	2/2/22	Local
Rua da Conceição Bezerra	2/2/22	Local
Rua Gilvan Ribeiro	2/2/22	Local
Rua Joaquim Severo	2/2/22	Local
Estrada pra Fazenda Itaúna	2/2/22	Local
Rua Rui Barbosa	2/2/22	Local
Rua João Fernandes	2/2/22	Local
Rua Taurício Caldeira	2/2/22	Local
Rua Eujácio de Brito Vilas Boas	2/2/22	Local
Rua Vila Nova	2/2/22	Local
Rua José Ferreira Filho	2/2/22	Local
Rua Miguel Antunes	2/2/22	Local

Rua José da Conceição Bezerra	2/2/22	Local
Rua Marcelina Dias	2/2/22	Local
Estrada para Pindoramas	2/2/22	Coletora

A Figura 18 e a Figura 19 ilustram os pontos levantados no período.

Figura 18 - Pontos levantados na Sede de Iuiu

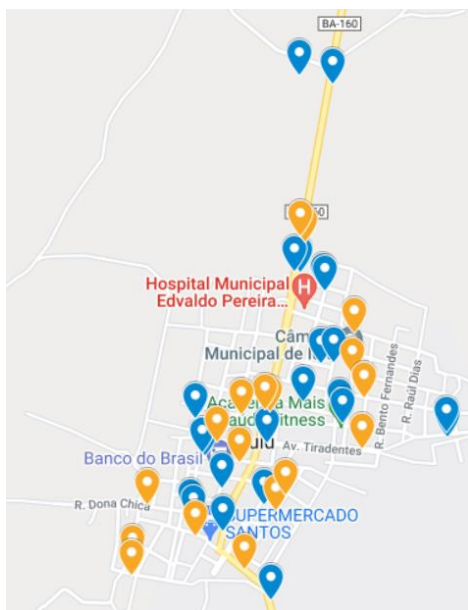


Figura 19 - Pontos levantados no Distrito de Olho D'Água (Pindorama), Iuiu



➤ Guanambi

A visita foi realizada entre os dias 03/02/2022 e 16/02/2022 e os endereços visitados estão listados na Tabela 11.

Tabela 11 – Endereços Visitados – Guanambi		
Logradouro	Data	Classificação
Av. Vanessa Cardoso	3/2/22	Coletora
Rua Chico Mendes	3/2/22	Local
Rua Gercino Coelho	3/2/22	Arterial
Rua Maria Joaquina	3/2/22	Coletora
Rua Donério Cotrim	3/2/22	Local
Rua José Vieira Costa	3/2/22	Local
Rua Guaranesia	3/2/22	Local
Rua Joaquim Normanha	3/2/22	Local
Av. Pref. José Neves Teixeira	3/2/22	Arterial
Parque da Cidade	3/2/22	Local
Av. Dep. Hidevaldo Boa Sorte	3/2/22	Coletora
Rua Floriano Peixoto	3/2/22	Local
Rua Deodoro da Fonseca	3/2/22	Local

Av. Candeal	3/2/22	Coletora
Rua Dom Pedro II	3/2/22	Local
Entrada da Cidade	3/2/22	Local
Av. Depp Hidelvado Boa Sorte	7/2/22	Arterial
Rua Dezoito	7/2/22	Local
Av. Governador Waldir Pires	7/2/22	Arterial
Rua Otávio Mangabeira	7/2/22	Coletora
Rua Santa Catarina	7/2/22	Local
Rua Porto Seguro	7/2/22	Local
Rua Otávio Mangabeira	7/2/22	Arterial
Av. Tiradentes	7/2/22	Coletora
Rua Largo dos Quincas	7/2/22	Local
Av. Gov. Waldir Pires	7/2/22	Arterial
Av. do Ipiranga	7/2/22	Local
Rua Leocádia	7/2/22	Local
Av. Manoel Nunes dos Santos	7/2/22	Local
Rua Bahia	7/2/22	Local
Rua Minas Gerais	7/2/22	Local
Rua Sergipe	7/2/22	Local
Av. Mato Grosso	7/2/22	Local
Av. Deolinda Martins	7/2/22	Coletora
Av. Joaquim Chaves	7/2/22	Coletora
Av. Vanessa Cardoso	7/2/22	Coletora
Av. Sandoval Moraes	7/2/22	Coletora
Rua Pereira Donato	7/2/22	Local
Rua Beija Flor	7/2/22	Local
Rua Ary Pedro	7/2/22	Local
Travessa Acelino Andrade	7/2/22	Local
Rua Acelino Andrade	7/2/22	Local
Pracinha Rua Santa Catarina	7/2/22	Local
Rua Otávio Mangabeira	8/2/22	Local
Rua Djalma Mota	8/2/22	Local
Av. Mato Grosso do Sul	8/2/22	Coletora
Rua Genésio Pau Darco	8/2/22	Local
Rua Rio Grande do Sul	8/2/22	Coletora
Rua Rio Grande do Norte	8/2/22	Local
Parque da Cidade	8/2/22	Local
Av. Santos Dumont	8/2/22	Arterial
Av. Pres. Castelo Branco	8/2/22	Coletora
Av. Nilo Coelho	8/2/22	Arterial
Rua B	8/2/22	Local
Rua C	8/2/22	Local
Rua Djalma Mota	8/2/22	Local
Av. Um	8/2/22	Local
Rua B	8/2/22	Local
Rua Edgar Teixeira	8/2/22	Local
Rua Dr. José Humberto Nunes	8/2/22	Coletora
Av. Barão do Rio Branco	8/2/22	Arterial
Rua Estóquio da Costa	8/2/22	Local
Rua Domingos Antonio Teixeira	8/2/22	Local

Av. Pref. José Neves Teixeira	8/2/22	Arterial
Rua D1	8/2/22	Local
Av. Nilo Coelho	8/2/22	Arterial
Rua João Nunes Dourado	8/2/22	Local
Av. Juscelino Kubitschek	8/2/22	Coletora
Rua Gérson Badaró	8/2/22	Local
Rua Pernambuco	8/2/22	Local
Estrada Velha de Guanambi	8/2/22	Local
Rua Brejinho dos Ametistas	8/2/22	Local
Rua Padre Manoel da Nóbrega	8/2/22	Local
Rua Atílio Pereira de Oliveira	9/2/22	Local
Rotatória Rua Camerino Pereira Costa	9/2/22	Local
Rua José Pereira Donato	9/2/22	Local
Rotatória Rua José Pereira Donato	9/2/22	Local
Av. Senador Nilo Coelho	9/2/22	Local
Rua Francisco Fernandes	9/2/22	Coletora
Travessa da Concórdia	9/2/22	Calçada
Rua 5	9/2/22	Local
Rua Oito	9/2/22	Local
Rua Benjamin Constant	9/2/22	Local
Rua Lima Barreto	9/2/22	Local
Tv. Vicente de Paula	9/2/22	Local
Rua Dr. Humberto Nunes	9/2/22	Arterial
Rua Rio de Janeiro	9/2/22	Coletora
Av. Pres. Castelo Branco	9/2/22	Coletora
Av. Santos Dumont	9/2/22	Arterial
Rua Rogaciano Francisco de Moraes	9/2/22	Local
Av. Pref. José Neves Teixeira	9/2/22	Arterial
Av. Nilo Coelho	16/2/22	Arterial
Rua B	16/2/22	Local

O mapeamento dos pontos levantados encontra-se demonstrado na Figura 20 à Figura 23.

Figura 20 - Levantamento na sede de Guanambi

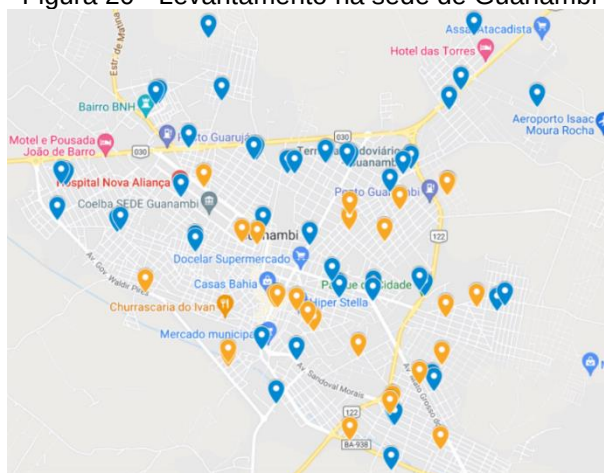


Figura 21 - Levantamento no Distrito de Morrinhos, Guanambi



Figura 22 - Levantamento no Distrito de Ceraíma, Guanambi



Figura 23 - Levantamento no Distrito de Mutãs, Guanambi



➤ Caculé

A visita foi realizada nos dias 10/02/2022 e 15/02/2022, e os endereços visitados estão listados na Tabela 12.

Tabela 12 – Endereços Visitados – Caculé		
Logradouro	Data	Classificação
Estr. para Ibiassuê	10/2/22	Local
Av. Cônego Miguel Monteiro	10/2/22	Arterial
Rua Dr. Antonio Muniz	10/2/22	Coletora

Rua Porto Alegre	10/2/22	Local
Rua Mem de Sá	10/2/22	Local
Av. Artur Castilho	10/2/22	Coletora
Rua Antonio Coutinho	10/2/22	Coletora
Rua Pres. Medici	10/2/22	Local
Rua C	10/2/22	Local
Rua Francisco Pinho	10/2/22	Local
Pista do Parque	10/2/22	Local
Rua Rui Barbosa	10/2/22	Local
Rua Artur Neves	10/2/22	Local
Rua Dr. Crescencio Silveira	10/2/22	Coletora
Rua Arlindo A. Pereira	10/2/22	Local
Av. Passagem do Rio	10/2/22	Local
Av. Copacabana	10/2/22	Arterial
Rua Joaquim Antonio da Silva	10/2/22	Coletora
Rua Sisinio Viana	10/2/22	Local
Rua do Cemitério	10/2/22	Local
Rua Ranulfo Costa	10/2/22	Local
Rua Eleotério Tavares	10/2/22	Local
Rua Antonio Coutinho	10/2/22	Local
Av. Artur Castilho	10/2/22	Coletora
Rua Dr. Antonio Muniz	10/2/22	Local
Rua Treze de Maio	10/2/22	Local
Rua Dr. Crescencio Silveira	10/2/22	Local
Em frente à Câmara Municipal	10/2/22	Coletora
Rua Cmte. Cortes entre R Santos Dummont e R Castro Alves	15/2/22	Local
Rua Castro Alves	15/2/22	Local
Rua Rodrigo Ferreira Neves	15/2/22	Coletora
Rua Rodrigo Ferreira Neves	15/2/22	Coletora
Rua Clementina de Jesus	15/2/22	Local
Rua Padre Cícero	15/2/22	Local
Travessa Padre Cícero	15/2/22	Local
Rua Artur Neves	15/2/22	Local
Rua Arlindo A. Pereira	15/2/22	Local
Rua S/N atrás da Igreja São João Batista	15/2/22	Local

Tais logradouros encontram seus pontos mapeados na Figura 24.

Figura 24 – Pontos levantados em Caculé



➤ Lagoa Real

A visita foi realizada entre os dias 11/02/2022 e 14/02/2022 e os endereços visitados estão listados na Tabela 13.

Tabela 13 – Endereços Visitados – Lagoa Real

Logradouros	Data	Classificação
Av. Real	11/2/22	Coletora
BA-940	11/2/22	Arterial
Av. 14 de Maio	11/2/22	Local
Rua 6 de Agosto	11/2/22	Local
Av. Real	11/2/22	Arterial
Av. Santa Maria	11/2/22	Local
Rua Monsenhor Bastos	11/2/22	Coletora
Tv. São Pedro	11/2/22	Local
Tv. Ana Vitória	11/2/22	Local
Av. 14 de Maio	11/2/22	Local
Tv. Zé Pinto	11/2/22	Local
Tv São Pedro	11/2/22	Local
Rua Zezé Cardoso	11/2/22	Local
Rua Senhor do Bonfim	11/2/22	Local
Av. Real	11/2/22	Coletora
Rua Belo Duca	11/2/22	Local
Rua Nelson Mariano	11/2/22	Local
Rua Ciro de Moura Rocha	11/2/22	Local
Rua Luiz Pereira de Aguiar	11/2/22	Local
Rua Sr. do Bonfim	11/2/22	Local
Rua São João Batista VI	11/2/22	Local
Av. João Batista Teixeira	11/2/22	Local
Av. Parque do Vaqueiro	11/2/22	Coletora
Rua Dois de Julho	11/2/22	Local
Tv. Santa Terezinha	11/2/22	Local
Rua Alto da Lagoa	11/2/22	Local
Tv. Florinda Gomes	11/2/22	Local
Parque do Lago (calçada)	11/2/22	Local

Esse documento (planilha) foi entregue às prefeituras municipais para que colaborassem com as classificações, validando o que foi atribuído por esta consultoria para vias arteriais, coletoras e de pedestres, fluxos de veículos e pedestres, conforme a NBR 5101. Sendo assim, essa foi a metodologia adotada pelo Consórcio Vital para a classificação viária a nível de iluminação pública visto que os municípios não a possuíam.

Como proposta e orientação técnica para o preenchimento da planilha, foi elaborada a classificação hierárquica e classes de iluminação das Vias (Anexo 4) para cada município, com base nos documentos e normas relacionadas, pela experiência da equipe no trabalho de campo e nos estudos relacionados a esse Relatório, conforme apresentado nos itens a seguir.

4.3.2 Classificação de Iluminação para Projeto de IP

De acordo com a NBR 5101/2018, as vias devem ser classificadas a partir das disposições previstas no Código de Trânsito Brasileiro (CTB). Para o projeto de Iluminação Pública devem ser avaliadas as características da via e se estas contemplam dados de volume de tráfego ou de classificação de velocidade diferente (superior ou inferior) daquelas estabelecidas para cada tipo de via.

A partir dos atributos das vias e a intensidade de tráfego (Tabela 14 e Tabela 15), a norma estabelece as classes de iluminação das vias de trânsito de V1 a V5 (Tabela 16), assim como para vias de pedestres de P1 a P4 (Tabela 17). As normas da ABNT não cobrem critérios para classificação de praças, parques e pontos de ônibus.

Embora a norma ABNT 5101 não registre ou configure vínculo entre as classes de iluminação viária e a via de pedestres, na prática, tanto para projetos como para verificação/inspeção, o que se observa é a adoção dos mesmos índices para os dois “tipos de vias”, o que permite tal associação como orientação geral.

Tabela 14 - Tráfego Motorizado	
Classificação	Volume de tráfego noturno ^a de veículos por hora, em ambos os sentidos, em pista única ^b .
Leve (L)	150 a 500
Médio (M)	501 a 1.200
Intensa (I)	Acima de 1.200
^a Valor máximo das médias horárias obtidas nos períodos compreendidos entre 18 h e 21 h.	
^b Valores para velocidades regulamentadas por Lei	

NOTA Para vias com tráfego menor do que 150 veículos por hora, consideram-se as exigências mínimas do Grupo Leve (L) e, para vias com tráfego muito intenso, superior a 2400 veículos por hora, consideram-se as exigências máximas do grupo de tráfego intenso (I).

Fonte: NBR 5101, 2018.

Tabela 15 - Tráfego de Pedestres *

Classificação	Pedestres cruzando vias com tráfego motorizado
Sem Tráfego (S)	Como nas vias arteriais
Leve (L)	Como nas vias residenciais médias
Médio (M)	Como nas vias comerciais secundárias
Intenso (I)	Como nas vias comerciais principais
* O projetista deve levar em conta esta tabela, para fins de elaboração de projeto	

Fonte: NBR 5101, 2018.

Tabela 16 - Classes de iluminação para cada tipo de via - Veículos

Descrição da via	Classe de Iluminação
Vias arteriais; vias de alta velocidade de tráfego com separação de pistas; vias de mão dupla, com cruzamentos e travessias de pedestres eventuais em pontos bem definidos; vias rurais de mão dupla com separação por canteiro ou obstáculo	
Volume de tráfego intenso	V1
Volume de tráfego médio	V2
Vias coletoras; vias de tráfego importante; vias radiais e urbanas de interligação entre bairros, com tráfego de pedestres elevado	
Volume de tráfego intenso	V2
Volume de tráfego médio	V3
Volume de tráfego leve	V4
Vias locais; vias de conexão menos importante; vias de acesso residencial	
Volume de tráfego médio	V4
Volume de tráfego leve	V5

Fonte: NBR 5101, 2018.

Tabela 17 - Classes de iluminação para cada tipo de via – Pedestres

Descrição da via	Classe de Iluminação
Vias de uso noturno intenso por pedestres (por exemplo, calçadas, passeios de zonas comerciais)	P1
Vias de grande tráfego noturno de pedestres (por exemplo, passeios de avenidas, praças, áreas de lazer)	P2
Vias de uso noturno moderado por pedestres (por exemplo, passeios, acostamentos)	P3
Vias de pouco uso por pedestres (por exemplo, passeios de bairros residenciais)	P4

Fonte: NBR 5101, 2018.

Definidas as classes de iluminação de cada via, para o atendimento exigido pela NBR 5101 os valores coletados em campo (Grupo 1) devem ter os parâmetros calculados de Iluminância Média Mínima ($E_{med,min}$) assim como de Uniformidade (U) acima dos valores atribuídos na Tabela 18 e na Tabela 19. Desta forma foram calculados os índices de atendimento à norma.

Tabela 18 - Iluminância média mínima e uniformidade para cada classe de iluminação - Veículos		
Classe de Iluminação	Iluminância Média Mínima $E_{med,min}$ (lux)	Fator de Uniformidade mínimo $U = E_{min}/E_{med}$
V1	30	0,4
V2	20	0,3
V3	15	0,2
V4	10	0,2
V5	5	0,2

Fonte: NBR 5101, 2018.

Tabela 19 - Iluminância média mínima e uniformidade para cada classe de iluminação - Pedestres		
Classe de Iluminação	Iluminância Média Mínima $E_{med,min}$ (lux)	Fator de Uniformidade mínimo $U = E_{min}/E_{med}$
P1	20	0,3
P2	10	0,25
P3	5	0,2
P4	3	0,2

Fonte: NBR 5101, 2018.

4.3.3 Definição das Classes de Iluminação das Vias do Município

Não foram registrados os PDMS das Prefeituras consorciadas onde se estabelecem as classificações, de acordo com o CTB, das vias municipais. Também não foram identificados documentos com informações sobre o volume de fluxo de pedestres e veículos por via.

Foi acordado entre o Consórcio Vital e o Consórcio de Desenvolvimento Sustentável do Alto Sertão/BA que as classificações são dadas da seguinte forma:

- Observa-se a não classificação de vias V1. Vias de classe V1 tem características que se encaixam nas rodovias e vias urbanas de alta velocidade. Quando essas rodovias adentram pelas cidades, em nível, mantém as características de V1 e as tarefas visuais correspondentes a esta classificação. Por outro lado, as prefeituras informaram que as vias municipais não excedem o limite de 50 km/h, o que fortalece o diagnóstico

de não adoção de classificação V1 para as vias do município, neste caso as vias arteriais e coletoras se ajustam à classificação V2 e V3.

- Caculé e Guanambi, maiores municípios de área urbana entre os envolvidos, atribuição de classificação das vias locais como V4 e P4, e não V5, de modo a suprir as demandas de iluminação nas cidades mais movimentadas;
- Iuiu, Lagoa Real e Sebastião Laranjeiras foram adotados as classes de iluminação V5 para as vias locais.

Com relação as vias para pedestres, em áreas comerciais existem calçadas que admitem níveis compatíveis com a classificação P1, porém os níveis considerados para classificação de tais vias, no projeto básico, são de classificação P2 e P3.

Não existe normativa específica para ciclovias e ciclofaixas, resultando como consequência a adoção de valores de vias de veículos ou de pedestres a depender da localização delas: se estão na rua ou na calçada.

A Tabela 20 demonstra a distribuição dos quantitativos de classes de iluminância por quantidade de endereços do município.

Tabela 20 - Distribuição de Pontos das Vias por Classe de Iluminação			
Município	Classe de Iluminação	Quantidade de Pontos	%
Caculé	V2	52	1,57%
	V3	128	3,85%
	V4	2.971	89,57%
	Praças e Monumentos	166	5,00%
	Total	3317	100,00%
Guanambi	V2	507	4,01%
	V3	278	2,20%
	V4	11.217	88,79%
	Praças e Monumentos	632	5,00%
	Total	12.634	100,00%
Iuiu	V2	35	2,69%
	V3	99	7,62%
	V4	63	4,84%
	V5	1.041	79,80%
	Praças e Monumentos	66	5,06%
	Total	1.305	100,00%
Lagoa Real	V2	24	1,64%
	V3	45	3,07%
	V4	108	7,43%
	V5	1.208	82,85%
	Praças e Monumentos	73	5,01%

	Total	1.458	100,00%
Sebastião Laranjeiras	V2	30	3%
	V3	38	4%
	V4	96	9%
	V5	797	79%
	Praças e Monumentos	51	5%
	Total	1.012	100%

4.3.4 Distribuição das Ações por Classificação Viária e Demais Elementos

A distribuição das ações nas vias dos municípios, seguindo as premissas adotadas no item 4.2.2 obteve como resultado uma visão ampla e diversa das situações envolvendo os parques de IP municipais.

Além dos pontos selecionados, situações básicas destacadas tais como interseções, passagem em dois níveis, presença de rodovias nas áreas urbanas, calçadões, entre outros, foram contempladas nos levantamentos e deverão ser devidamente abordadas e desenvolvidas no Relatório de Estudos de Engenharia.

A distribuição comparativa entre os percentuais dos Cadastros apresentados e dos planejamentos dos pontos são demonstrados pelos Gráfico 6 ao Gráfico 11.

Gráfico 6 – Comparativo entre cadastro e planejamento – Sebastião Laranjeiras

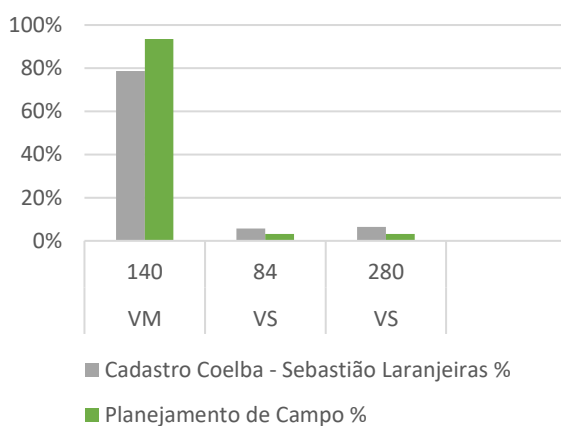


Gráfico 7 – Comparativo entre cadastro e planejamento - Iuiu

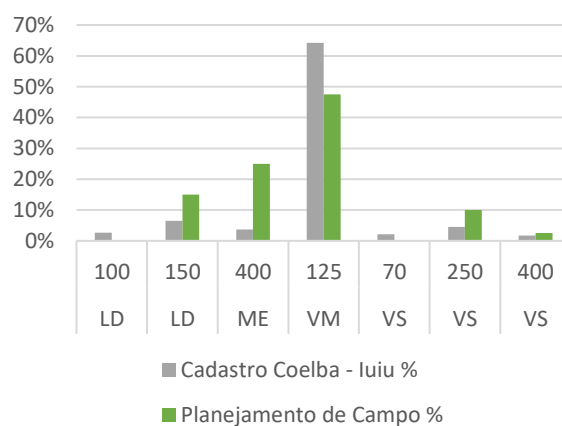


Gráfico 8 – Comparativo entre cadastro e planejamento - Guanambi

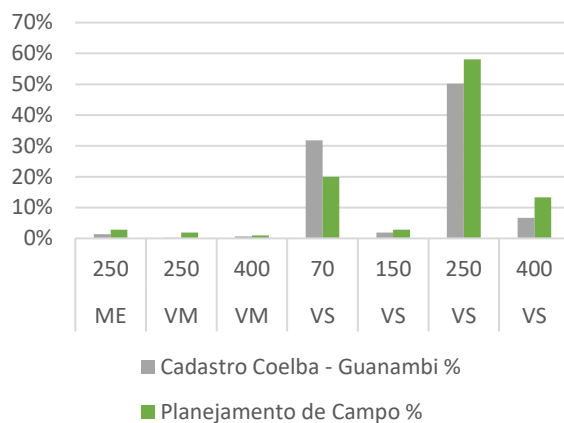


Gráfico 9 – Comparativo entre cadastro e planejamento - Caculé

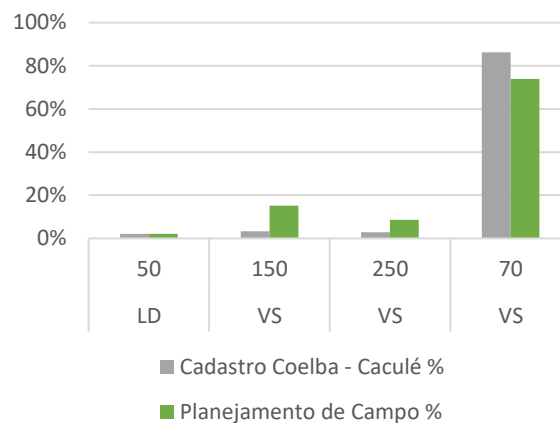
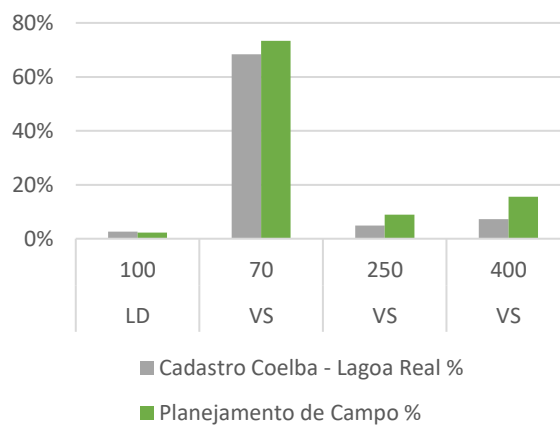


Gráfico 10 – Comparativo entre cadastro e planejamento – Lagoa Real



5 ANÁLISE DA CONFIABILIDADE DAS INFORMAÇÕES DO CADASTRO DE IP

5.1 Metodologia Geral

Para verificação da confiabilidade e compreensão da real situação do Sistema de Iluminação Pública dos seis municípios integrantes do CDS do Alto Sertão, foram avaliados os seguintes dados:

- Caracterização da rede, a partir do cadastro existente (apresentado pela Coelba com 26.009 pontos), aplicando os parâmetros fixados pela norma ABNT NBR 5101/2018.
- Análises de campo amostrais, conforme norma ABNT NBR 5426, para:
 - ✓ viabilizar o tamanho da amostra necessária para permitir a verificação do cadastro;
 - ✓ medir os parâmetros luminotécnicos (através do uso de luxímetro para verificar os níveis de luminância e uniformidade aderentes à norma);
 - ✓ avaliar o estado de conservação dos equipamentos e avaliar aderência das instalações às normas, como altura da luminária, espaçamento entre postes, largura das vias e equipamentos fora do padrão – seja por má conservação, baixo rendimento ou por obsolescência.
- Classificação de vias em Relação ao Código de Trânsito Brasileiro (arterial, coletora ou local).
- Classificação viária e classes de Iluminação (em conjunto com as prefeituras).
- Qualidade e aderência do cadastro fornecido.
- Análise do modelo operacional de manutenção e implantação, incluindo metodologia, equipamentos e normas internas.
- Parâmetros da rede de distribuição de energia para IP, bem como suas características técnicas, qualidade de fornecimento, avaliação da carga instalada na rede IP e o consumo médio de energia.
- Estimativa da vida útil remanescente para os equipamentos existentes.

- Verificação das áreas de iluminação de destaque: patrimônio histórico e cultural, praças, parques e outras áreas de interesse público.

Com isso, o diagnóstico da situação atual, foi elaborado através de uma avaliação quantitativa e qualitativa do sistema de iluminação, da sua abrangência, deficiências, inadequações gerais (que permeiam todos ou quase todos os parques) e das inadequações pontuais, permitindo identificar o que precisa ser feito, quais as prioridades e quais as limitações existentes.

Além do cadastro, foram ponderados os planos e interesses das prefeituras, com as seguintes avaliações:

- Avaliação dos projetos de expansão e modernização, demanda reprimida, crescimento orgânico, os quais terão seus percentuais apresentados no projeto luminotécnico, e seus impactos na iluminação pública;
- Avaliação dos interesses das prefeituras quanto à iluminação pública, incluindo áreas de interesse especial, prioridades e expansões;
- Mapeamento dos pontos e tipos de lâmpadas de Iluminação Pública enviados pelas prefeituras;
- Planilha de classificação viária e classes de iluminação elaborada em conjunto com as Prefeituras Municipais.

Nos Estudos de Engenharia, serão projetadas e dimensionadas as possíveis soluções, quantificados os custos e analisados os respectivos benefícios.

Para a elaboração de todo o trabalho, será observada a norma ABNT NBR 5101/2018, além das normas cabíveis a cada análise específica.

5.1.1 Nível de Confiança do Cadastro de IP

Após a vistoria, foi possível analisar a aderência dos dados contidos no cadastro georreferenciado pela Distribuidora e coletados em campo, através das medições realizadas (Tabela 21).

Tabela 21 – Aderência do Cadastro		
Município	Dado do Cadastro	%
Caculé	Potência	65%
	Tipo de Lâmpada	65%
	Localização Geográfica	97%
Guanambi	Potência	98%
	Tipo de Lâmpada	94%
	Localização Geográfica	94%
Lagoa Real	Potência	100%
	Tipo de Lâmpada	87%
	Localização Geográfica	98%
Iuiú	Potência	91%
	Tipo de Lâmpada	89%
	Localização Geográfica	97%
Sebastião Laranjeiras	Potência	87%
	Tipo de Lâmpada	84%
	Localização Geográfica	98%
Média Geral	Potência	88%
	Tipo de Lâmpada	84%
	Localização Geográfica	97%

As localizações geográficas dos cadastros georreferenciados obtiveram porcentagem de aderência aceitável, pois foram menores que a margem de 4% estabelecida pela NBR 5426, como demonstrado no item 4.2.1.

Em relação às potências e tipo de lâmpada, o cadastro apresentado apresenta aderência abaixo dos 96% determinado pela norma NBR 5426. Os estudos e entrevistas junto às Prefeituras Municipais, entre outros, concluem que os seguintes fatores são essenciais para tais números:

- Cadastro georreferenciado revelando-se desatualizado à atual realidade do município;
- Modernizações e eventuais modificações nos pontos das vias.

Esclarece-se que, apesar dos números desfavoráveis a aplicação de verificação da NBR 5426, a aderência dos pontos em relação ao tipo e potência não são fatores essenciais para o projeto de engenharia, visto que tecnologias convencionais (VS, MV e VM), assim como os pontos em LED com garantias ultrapassadas serão considerados como pontos a serem substituídos.

5.2 Iluminação de Destaque

A iluminação de destaque será implantada em áreas de interesse que demandam iluminação especial, como áreas de patrimônio histórico e cultural, espaços públicos, parques e outros espaços similares.

As prefeituras foram entrevistadas e o mapeamento das áreas se deu conforme apresentado nos tópicos a seguir.

5.2.1 Mapeamento das Áreas de Interesse

O mapeamento das áreas de interesses se deu por meio de interações entre os representantes das Prefeituras Municipais, do Consórcio Vital e da CAIXA. Os próximos itens demonstram a metodologia para definição dos locais de interesse para os futuros projetos de Iluminação de Destaque, como exemplificado desde a Figura 26 à Figura 30.

Figura 26 - Praça da Igreja Matriz de Sebastião Laranjeiras



Figura 27 - Acesso a Sede Municipal de Iuiu



Figura 28 - Sede da Prefeitura de Guanambi



Figura 29 - Orla da Lagoa de Caculé



Figura 30 - Sede da Prefeitura de Lagoa Real



5.2.2 Critérios de Priorização das Áreas

O Termo de Referência do projeto aponta, entre suas diferentes ações, o desenvolvimento de projetos de Iluminação Especial para todos os municípios. Entretanto, em função da necessidade de se manter o equilíbrio econômico-financeiro do contrato e em atendimento ao estabelecido pelo Consórcio de Desenvolvimento Sustentável do Alto Sertão/BA, Caculé e Guanambi receberão Iluminação Especial nos bens apontados pelas prefeituras como de interesse e os demais municípios não terão projetos de iluminação especial.

As decisões das prefeituras dos municípios que receberão projetos de iluminação especial estão apresentadas a seguir e foram tomadas com apoio técnico da CAIXA e da equipe do Consórcio Vital.

Estas decisões foram tomadas de forma a destacar os principais pontos turísticos e culturais dos municípios, em contato direto com suas respectivas Secretarias.

Os critérios utilizados para a seleção de até cinco locais foram:

- Áreas de atrativo público/turístico;
- Locais contemplados com monumentos ou construções de interesse arquitetônico, histórico ou social.

5.2.2.1 Guanambi

- Memorial Casa de Dona Dedé;
- Mercado das Artes e Mercado da Feira;
- Estádio 2 de Julho;

- Fundos do Parque da Cidade;
- Igreja Matriz.

5.2.2.2 Caculé

- Lagoa Manoel Caculé;
- Escola Antônio Muniz;
- Antiga Estação Ferroviária de Caculé.

5.3 Áreas com Deficiências de Cobertura

As áreas mais isoladas do centro urbano, como áreas de sítios ou de novos loteamentos, são as vias com maiores índices de deficiência de IP no município. Segundo as prefeituras do consórcio, as áreas com maiores deficiências de cobertura de Iluminação Pública são apresentadas na Tabela 22.

Tabela 22 - Locais de deficiência de cobertura de IP			
Município	Local	Município	Local
Sebastião Laranjeiras	Bairro Alcântara	Iuiu	Bairro Morrinhos
	Bairro Santo Antônio		Bairro Jardim Castália
	Bairro Maia		Bairro Alto Bonito
Guanambi	Distrito de Mutãs		
	Distrito de Morrinhos		
	Morro Dentro		Lagoa Real
Caculé	Povoado de Várzea Grande	Av Parque do Vaqueiro	
		Praça do Mercado Municipal	
		Entrada da cidade- BA 940 até a ponte	

5.4 Demanda Reprimida

Para mapear as áreas com potencial deficiência de cobertura, utilizou-se o cadastro georreferenciado como base. As vias “vazias” de pontos foram levantadas e plotadas sobre imagens da mancha urbana existente.

Mapeadas as áreas urbanas das Sedes e Distritos dos municípios, para estimativa do quantitativo de pontos foram adotadas as seguintes etapas e premissas:

- Acessos das rodovias à Sede e aos Distritos;
- Rodovias em trechos urbanos;

- Implantação de postes a cada 35,00 metros;
- Soma das distâncias medidas dos trechos urbanizados “vazios” de pontos do cadastro;
- Divisão da distância dos trechos por 35,00 metros, obtendo-se a estimativa de demanda reprimida local.

As estimativas de ligações entre as rodovias principais e os Distritos foi estabelecida se a distância de tal demanda reprimida de IP for menor que 9,00 km. Os distritos contemplados pelo levantamento foram os de Morrinhos, Mutãs e Ceraímas, em Guanambi, assim como Mandiroba, em Sebastião Laranjeiras.

Da Figura 31 à Figura 37 demonstram exemplos de mapeamento das demandas reprimidas nos municípios (linhas vermelhas) nas vias com “vazios” de IP (marcadores de círculos pretos são os pontos existentes).

Figura 31 – Mapeamento de demanda reprimida na Sede de Sebastião Laranjeiras, Sede



Figura 32 - Mapeamento de demanda reprimida na Sede de Iuiu, Sede

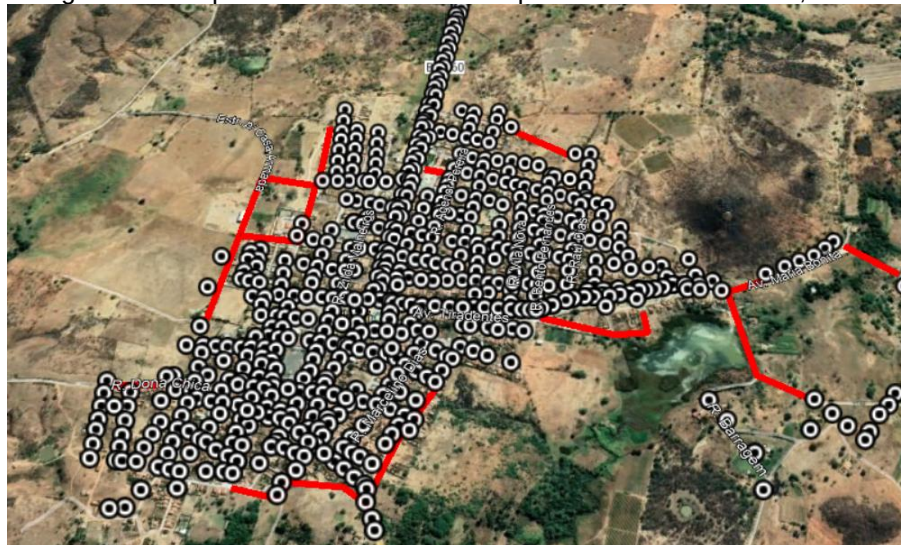


Figura 33 – Mapeamento de demanda reprimida em Guanambi, Sede e Distritos

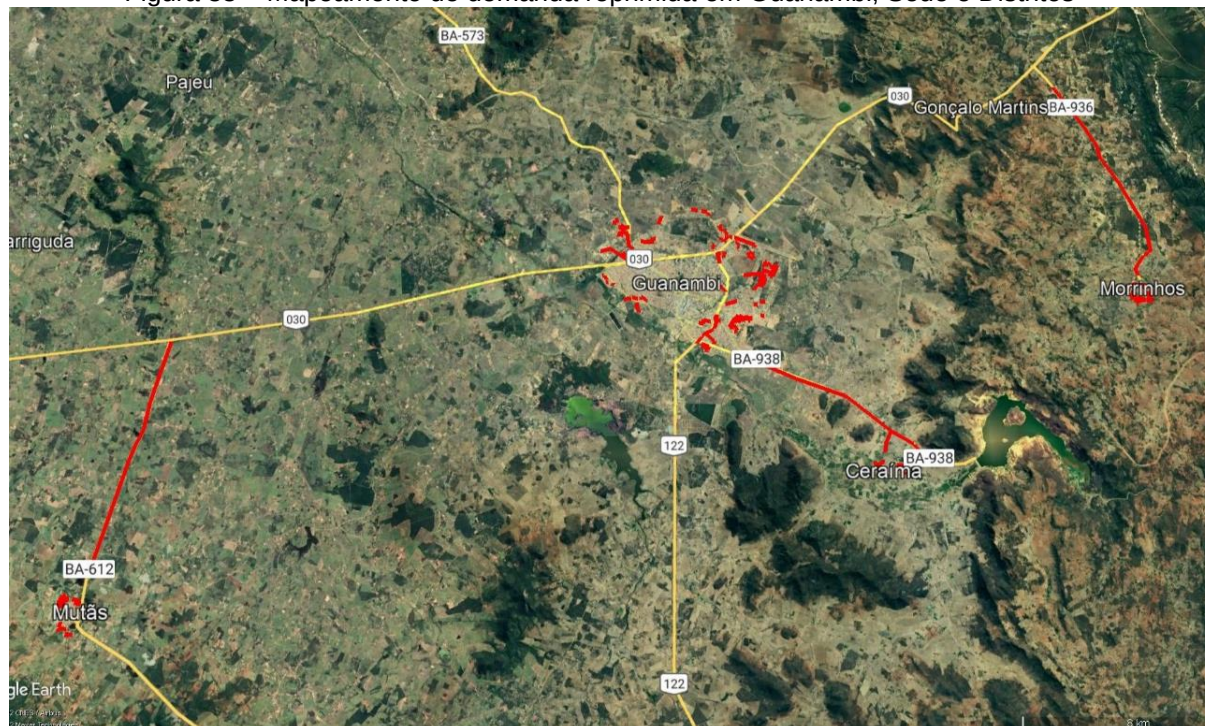


Figura 34 – Detalhe do mapeamento do Distrito de Mutãs, Guanambi



Figura 35 – Detalhe da ligação de Distrito em Ceraíma, Guanambi

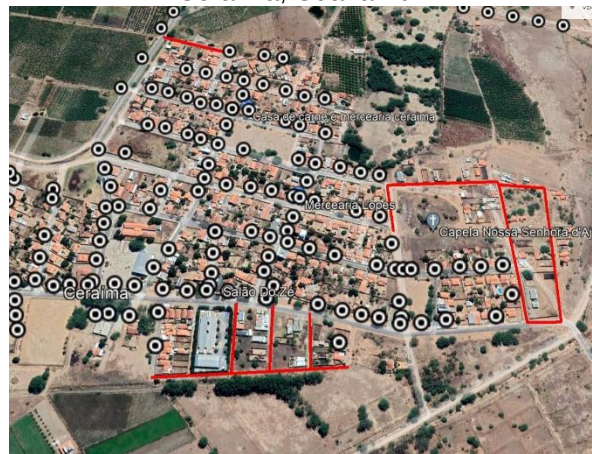


Figura 36 - Mapeamento de demanda reprimida em Caculé

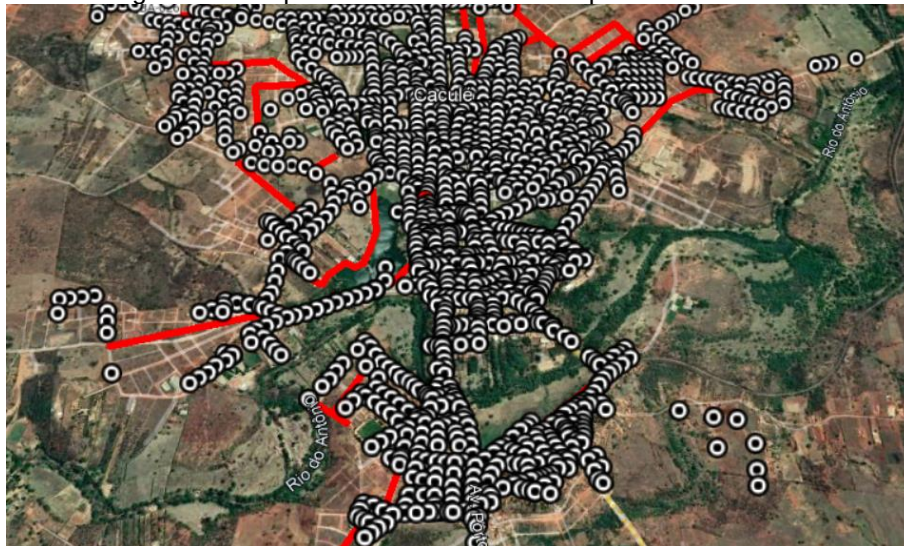


Figura 37 – Mapeamento de demanda reprimida em Lagoa Real, Sede



A Tabela 23 resume os resultados da metodologia proposta por município.

Tabela 23 - Estimativa de Demanda Reprimida		
Município	Somatório dos Comprimentos (m)	Quantidade de Pontos Estimada
Caculé	8.498	243
Guanambi	41.532	1.187
Lagoa Real	4.213	121
Iuiú	6.826	196
Sebastião Laranjeiras	10.028	287
TOTAL	71.097	2.034

5.5 Mapeamento de Projetos de IP em LED

Durante o período de levantamento de campo foi observado que algumas vias das Sedes e Distritos municipais foram contempladas por iluminação com tecnologia LED. A quantidade de pontos modernizados não é atualizada dentro do cadastro da Distribuidora Coelba. Tais luminárias encontram-se em vias principais, como as entradas das áreas urbanas.

As ações de modernizações se deram a partir do ano de 2019, sendo que tais pontos não terão impacto nos projetos, visto que a garantia desses (estimativa máxima de 5 anos), já haverá vencido. Portanto, o Projeto de Engenharia deverá considerar a substituição de todos esses pontos.

Além da questão das garantias, o futuro Concessionário, ao assumir os Parques, não poderá garantir a eficiência e a eficácia dos pontos atuais em LED, visto que o mais provável é que as luminárias atuais não se enquadrariam no Projeto Executivo a ser elaborado.

As vias com tecnologia LED observadas nos levantamentos de campo estão devidamente identificadas no Anexo 3 do presente Relatório.

5.6 Plano Diretor de Iluminação Pública

Não foram identificados documentos do Plano Diretor de Iluminação Pública municipais, tampouco há indicativos de sua elaboração em nenhum dos municípios consorciados participantes da presente modelagem de PPP.

5.7 Recursos Federais/Estaduais de Implantação/Modernização

Não foram identificados recursos Federais/Estaduais vinculados a projetos de Iluminação Pública nos municípios consorciados participantes da presente modelagem de PPP.

5.8 Existência de Passivos

Não foram identificados passivos operacionais, ambientais ou de qualquer outra ordem que impactem o projeto.

5.9 Existência de Termo de Ajustamento de Conduta (TAC)

Não foi identificada a existência de TAC em relação a IP nos municípios consorciados participantes da presente modelagem de PPP.

6 ANÁLISE DO MODELO ATUAL DE OPERAÇÃO E MANUTENÇÃO

6.1 Gestão, Operação e Manutenção do Parque de IP

Os municípios estudados possuem a mesma configuração de fornecimento e instalações de ativos: os insumos são obtidos por meio licitatório, enquanto a instalação e serviços se dão com mão de obra própria das Prefeituras Municipais.

A mão de obra de eletricitistas e ajudantes contratados pelas prefeituras, além da operação, manutenção e modernização de alguns pontos/projetos, é também voltada para os demais serviços da área elétrica dos municípios, sem que haja pessoal dedicado exclusivamente ao SIP. Em geral, esses trabalham com escadas e equipamentos básicos de segurança fornecidos pelas prefeituras.

Em casos de necessidade de uso de maquinário mais pesado, como caminhão cesto para alturas maiores, é feita locação desse. A única exceção é o município de Guanambi, que possui caminhão Munck que pode acoplar cesto ao seu braço.

A Iluminação Pública nos municípios e suas respectivas Secretarias Municipais responsáveis pela gestão do SIP é demonstrada pela Tabela 24 .

Tabela 24 - Secretarias Responsáveis pela IP municipal		
Município	Secretaria Municipal	Departamento
Caculé	Secretaria de Obras e Saneamento	Departamento de Obras e Saneamento
Guanambi	Secretaria de Infraestrutura	Departamento de Iluminação Pública
Iuiú	Secretaria de Infraestrutura	-
Lagoa Real	Secretaria de Administração	-
Sebastião Laranjeiras	Secretaria de Infraestrutura e Obras	-

Os números de CAPEX e OPEX estimados para os municípios no ano de 2021 são estimados da seguinte forma:

- Como não há desagregação de valores de custos de eletricitistas, combustível e veículos específicos para manutenção do parque nos orçamentos, utilizou-se como OPEX o custo de energia apresentado pela distribuidora
- As aquisições de materiais para o parque como luminárias, braços e outros componentes foram buscados nas compras efetuadas nos últimos anos em

cada município. Apenas Guanambi apresentou os valores destacados na execução orçamentária.

- c) Todos os gastos serão considerados como OPEX na modelagem econômico-financeira posto que o gasto com energia, à exceção de Guanambi, corresponde a mais de 90% da despesa total

O resultado dessa abordagem segue como o indicado na Tabela 25.

Tabela 25 - Gastos observados em 2021		
Município	Gastos com Materiais	Gasto Energia + Materiais
Caculé	-	R\$ 557.593,69
Guanambi	R\$ 1.438.283,00	R\$ 7.178.268,45
Iuiú	-	R\$ 272.413,73
Lagoa Real	-	R\$ 397.539,84
Sebastião Laranjeiras	-	R\$ 389.607,75

6.2 Acordo Operativo com Distribuidora de Energia

As Prefeituras Municipais e a Distribuidora Coelba firmaram contratos em que se ajustaram a celebração do “Contrato de Fornecimento de Energia Elétrica e Utilização de Postes Para Iluminação Pública”.

Nesses documentos estão estabelecidas as responsabilidades entre as partes, declarando as Prefeituras responsáveis pela operação, manutenção, modificações e ampliações dos parques, além dos meios de faturamento do consumo da energia elétrica.

Desta forma, a partir da data de celebração, o SIP de cada município ficou sob responsabilidade das Prefeituras Municipais, ou seja, houve o acordo de cessão dos bens de IP.

As datas de assinaturas de contratos registradas foram as seguintes:

- Guanambi: 29 de agosto de 2016;
- Caculé: 08 de dezembro de 2003;
- Iuiú: 16 de março de 2012;
- Lagoa Real: 27 de março de 2008;
- Sebastião Laranjeiras: 18 de outubro de 2018;

6.3 Serviços de Fornecimento, Instalação de Ativos e Modelo Operacional dos Municípios

As Prefeituras do CDS participantes do atual projeto de modelagem possuem mão de obra própria (eletricistas, ajudantes etc.) e são providas de insumos materiais por vias licitatórias. As 6 prefeituras integrantes do Projeto possuem configuração similar de operação, manutenção e expansão dos parques, baseadas em projetos desenvolvidos pelas Prefeituras, ou que sejam projetos contratados pelas próprias.

Assim, nos municípios de Caculé, Guanambi, Iuiú, Lagoa Real e Sebastião Laranjeiras não foram observados contratos que se caracterizem como terceirizações dos serviços nos respectivos parques de IP.

7 ANÁLISE DO PARQUE DE ILUMINAÇÃO PÚBLICA

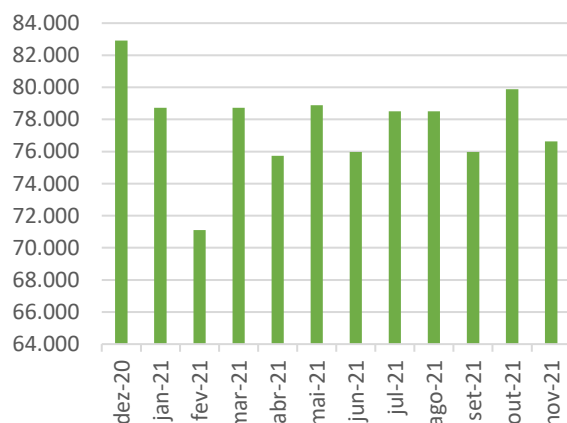
7.1 Projeção para Projetos de Expansão, em Andamento e Necessidades

Não foram identificados projetos previstos de expansão ou modernização dos Parques de Iluminação Pública dos municípios consorciados participantes do atual projeto de modelagem.

7.2 Carga Instalada e Consumo Médio Atuais

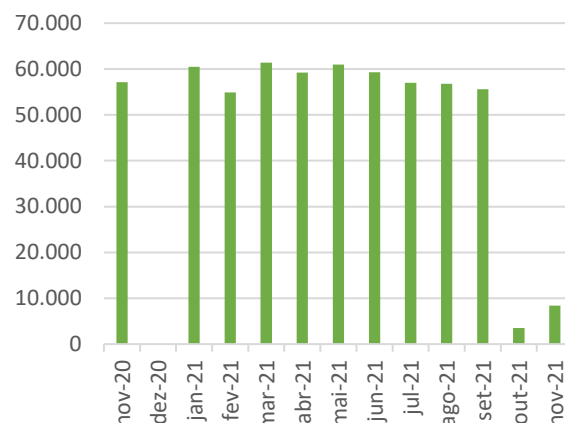
Após envio pelas Prefeituras municipais, foram compiladas as contas de consumo de energia elétrica de Iluminação Pública, conforme exposto desde o Gráfico 11 ao Gráfico 15.

Gráfico 11 – Consumo de Energia – Sebastião Laranjeiras (kWh)



Média de Consumo Sebastião Laranjeiras:
78.513,00 kWh/mês

Gráfico 12 – Consumo de Energia – Iuiu (kWh)



Média de Consumo Iuiu: 57.057,50 kWh/mês

Gráfico 13 – Consumo de Energia – Guanambi (kWh)

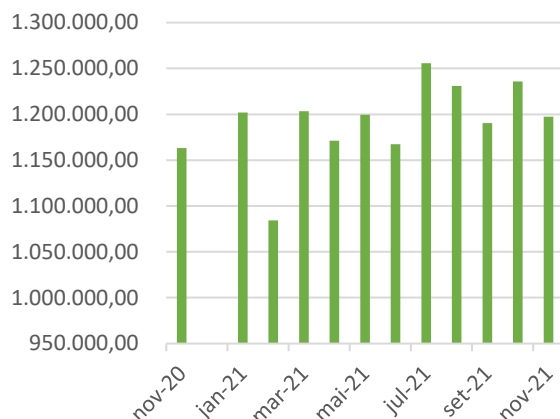
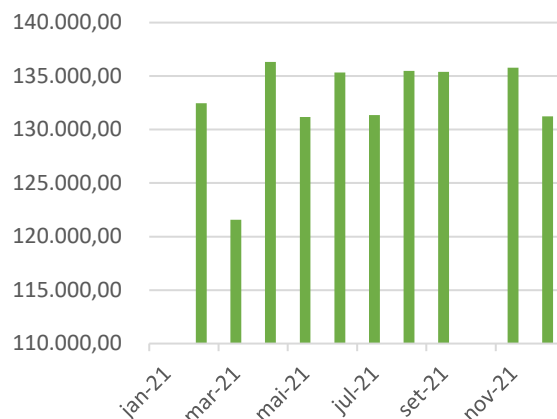


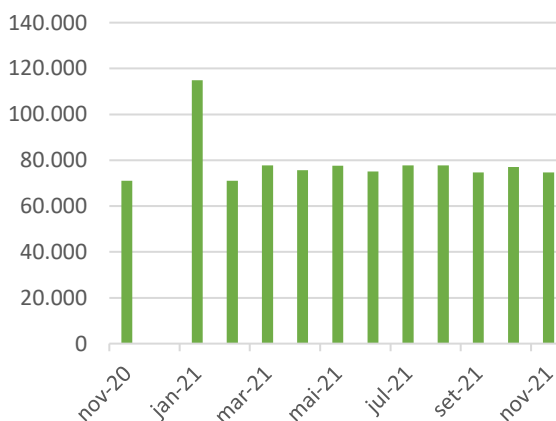
Gráfico 14 – Consumo de Energia Caculé (kWh).



Média de Consumo – Guanambi:
1.198.463,50 kWh/mês

Média de Consumo – Caculé:
133.887,50 kWh/mês

Gráfico 15 – Consumo de Energia - Lagoa Real (kWh)



Média de Consumo – Lagoa Real:
76.381,50 kWh/mês

7.2.1 Aderência do Consumo com Cadastros

Para uma comparação entre o consumo de energia elétrica com IP e os cadastros georreferenciados, foi utilizado como referência a quantidade de pontos e potências apresentadas para cálculo do consumo estimado a partir da carga instalada.

Assim, para comparação com o consumo mensal médio mensal, foram elaborados cálculos estimativos dos consumos de energia, tendo por base:•

- Estimativa de tempo de consumo: 11:28 (11,47) horas/dia;
- Carga instalada de cadastro;
- 30 dias por mês.

Desta forma, o consumo estimado é dado pela fórmula a seguir, a exemplo do município de Guanambi:

$$11,47h \times 30\text{dias} \times 2.445,17 \text{ W} = 841.384,03 \text{ Wh/Mês}$$

A Tabela 26 traz o resumo dos cálculos efetuados para cada município.

Tabela 26 - Consumo cobrado e estimado				
Município	Carga Instalada (kW)	Consumo Estimado (kWh/Mês)	Consumo Médio Cobrado (kWh/Mês)	% de Variação
Caculé	263,78	90.766,70	133.887,50	147,51%
Guanambi	2.445,17	841.384,03	1.151.464,83	136,85%
Iuiu	188,05	64.708,01	57.057,50	88,18%
Lagoa Real	169,05	58.170,11	76.381,50	131,31%
Sebastião Laranjeiras	156,01	53.683,04	78.513,00	146,25%

Os municípios de Iuiu e Lagoa Real apresentam uma margem aceitável de variação em relação ao consumo estimado, pois dentro dos cálculos de cobrança, fatores como medições diretas de IP, assim como perdas de elementos da rede elétrica (reatores, p. ex.), desatualização do mapa georreferenciado, entre outros, contribuem para o consumo cobrado por mês.

Por outro lado, os municípios de Sebastião Laranjeiras, Guanambi e Caculé apresentam variações muito elevadas, o que pode vir a significar:

- Quantidade de pontos existentes não informados;
- Carga instalada maior que a registrada no cadastro, ou;
- Que a cobrança estimada realizada pela distribuidora de energia considera um número maior de horas diárias de consumo.

Ressalta-se a manutenção dos pedidos de atualização dos cadastros junto à Distribuidora Coelba durante a elaboração do presente contrato. Caso não haja resposta, o futuro Projeto de Engenharia deverá estabelecer metodologia para estimativa de pontos eventualmente somados à quantidade informada, considerando, como ponto de partida, a quantidade de pontos informada pela distribuidora de energia.

7.3 Avaliação do Parque de Iluminação Pública

Como relatado no item 4 do presente relatório, os municípios de Sebastião Laranjeiras, Iuiu, Guanambi, Caculé e Lagoa Real possuem atualmente distribuição

de tipos e potências de lâmpadas bastante variável entre si. Entretanto, as configurações internas de Iluminação Pública dos municípios são bastante similares.

Os próximos itens buscam apresentar dados e análises das ações durante a elaboração do presente documento

7.3.1 Análise Geral da Qualidade do Parque

Os estudos, entrevistas e os dados recolhidos durante o trabalho de campo, constataam que as configurações estruturais dos parques de IP são padronizadas em relação à hierarquização viária do CTB, porém com situações ainda muito desfavoráveis quando se trata de atingimento das demandas normativas da NBR-5101, principalmente nas vias de classificação V4.

Em rondas diurnas e noturnas durante o levantamento de campo, através de avaliações técnicas-visuais, a equipe técnica observou uma série de inadequações do parque constantes, citadas a seguir:

- Lâmpadas acesas durante o dia;
- Lâmpada apagada durante a noite;
- Difusor, sujo, quebrado ou amarelado;
- Sem difusor;
- Braço quebrado/torto;
- Falta da lâmpada;
- Lâmpada intermitente (piscando);
- Luminária quebrada ou sem fixação adequada;
- Luminária aberta;
- Trechos sem iluminação;
- Postes abalroados.

7.3.1.1 Ligações Sede/Distritos

Sobre os distritos, a implantação de IP entre a sede e seus centros, pelas rodovias, será impactante no Projeto pelas suas distâncias consideráveis. Portanto, o Projeto de Engenharia a ser desenvolvido irá considerar no dimensionamento como demanda reprimida a implantação de IP apenas nos acessos das rodovias aos Distritos apresentados no item 5.4.

7.3.1.2 Rodovias

As rodovias que cortam ou margeiam as áreas urbanas dos municípios, fazem parte da malha das cidades, sendo usadas não só pelos veículos que transitam por ela, como também como entre os bairros e distritos dos municípios. Na análise do cadastro e das rondas em campo, foi verificada a existência de pontos de IP nas vias paralelas e próximas às rodovias, assim como nas rotatórias e entroncamentos de acesso aos bairros da Sede. Como exposto no item 5.4 – Demanda Reprimida, foram consideradas como tal os trechos que cortam ou circundam as áreas urbanas, pois esse não está contemplado com IP. Para a execução da PPP em elaboração, para implantação de pontos de IP no trecho citado, as Prefeituras municipais necessitarão de acordos com os órgãos responsáveis pelas Rodovias. Sugere-se que as tratativas sejam iniciadas no curso das Etapas iniciais dessa estruturação da PPP.

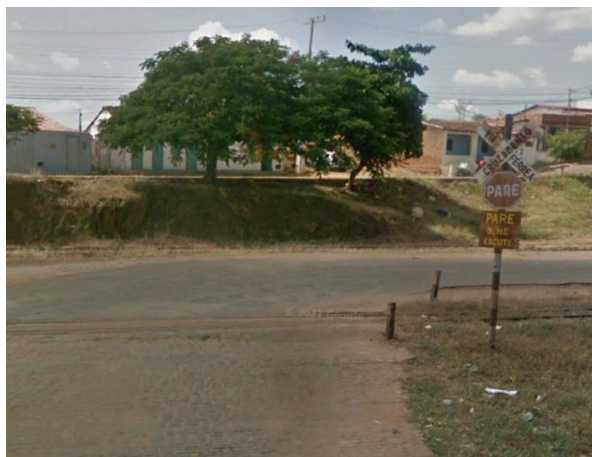
7.3.1.3 Linhas Férreas

Na Sede do município de Caculé existem linhas férreas em atividade (Figura 38 e Figura 39), com cruzamentos em nível com a ferrovia. Sobre o tema, a norma NBR 5101 demanda ao seu cumprimento da seguinte forma:

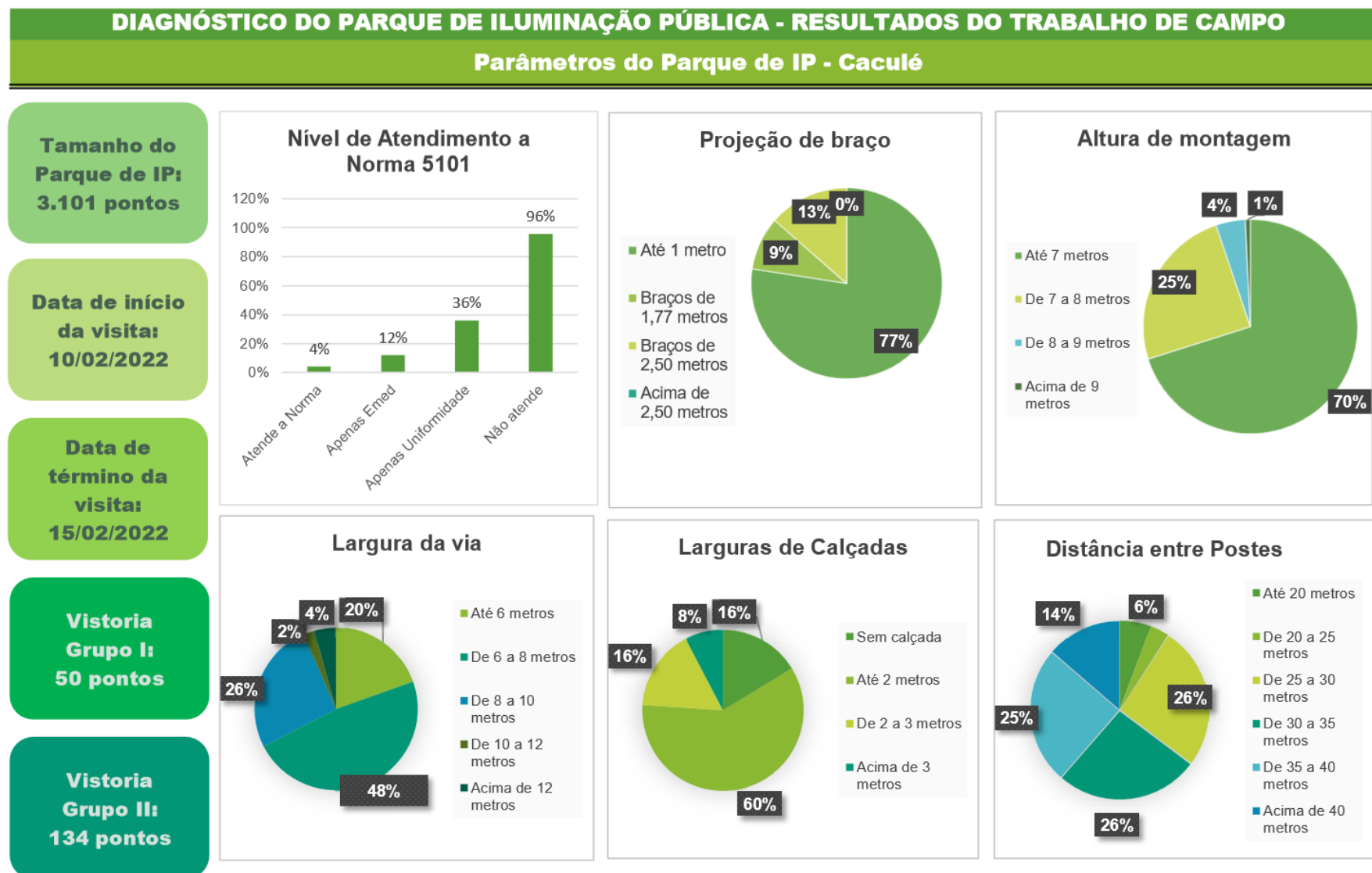
- “Estes cruzamentos devem ser iluminados de modo a permitirem identificação da existência de um cruzamento, presença ou não de trem no cruzamento e reconhecimento de objetos ou veículos não iluminados, já próximos ou não do cruzamento com a ferrovia. O princípio geral a ser seguido na seleção das luminárias e na escolha das suas posições, quanto à iluminância, em lux, sobre a área do leito da ferrovia, recomenda que a dimensão longitudinal da via iluminada, antes do cruzamento, em metros, seja numericamente igual à velocidade máxima, em quilômetros por hora, permitida aos veículos nas proximidades do cruzamento.”

Figura 38 - Interseção com via férrea na Rua
Artur Castilho

Figura 39 - Interseção com linha férrea na Av [.]
Porto Alegre



7.3.2 Resumo das Amostras



DIAGNÓSTICO DO PARQUE DE ILUMINAÇÃO PÚBLICA - RESULTADOS DO TRABALHO DE CAMPO

Parâmetros do Parque de IP - Guanambi

**Tamanho do
Parque de IP:**
12.634

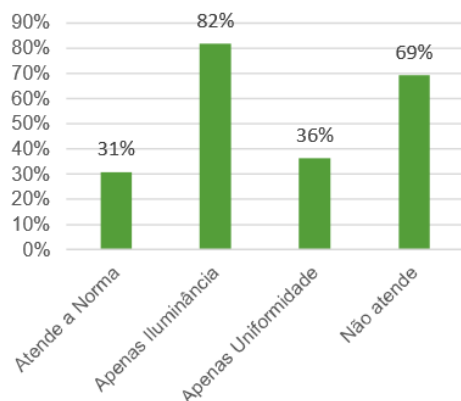
**Data de início
da visita:**
03/02/2022

**Data de
término da
visita:**
09/02/2022

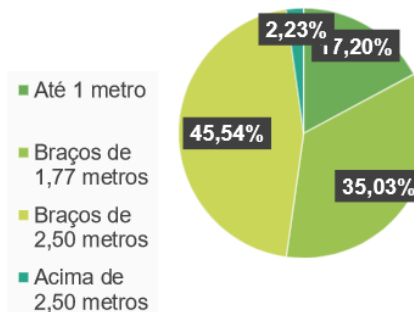
**Vistoria
Grupo I:**
126 pontos

**Vistoria
Grupo II:**
316 pontos

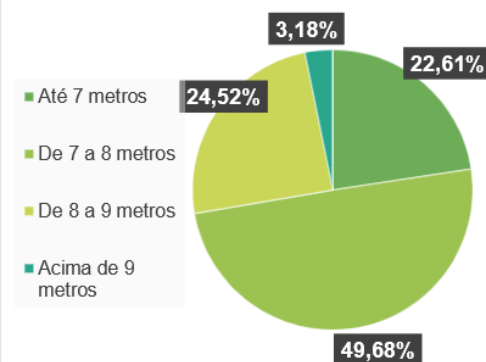
**Nível de Atendimento a
Norma 5101**



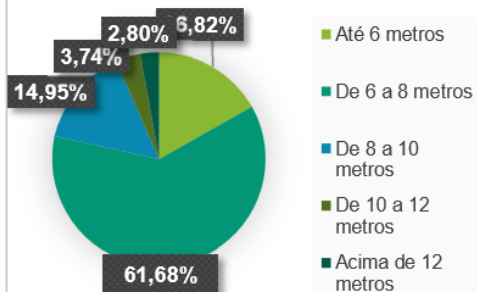
Projeção de braço



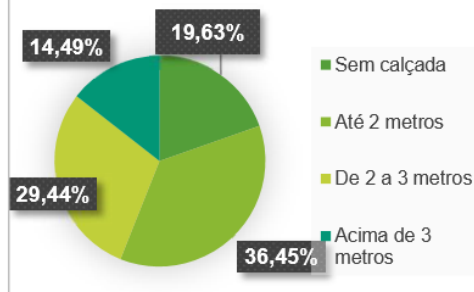
Altura de montagem



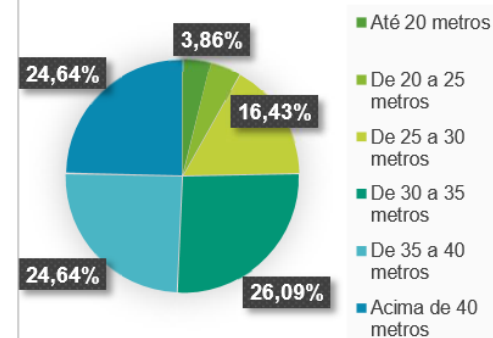
Largura da via



Larguras de Calçadas



Distância entre Postes



DIAGNÓSTICO DO PARQUE DE ILUMINAÇÃO PÚBLICA - RESULTADOS DO TRABALHO DE CAMPO

Parâmetros do Parque de IP - Iuiu

**Tamanho do
Parque de IP:**
1.305

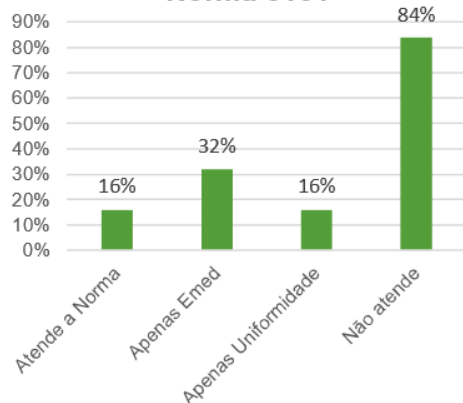
**Data de início
da visita:**
01/02/2022

**Data de
término da
visita:**
02/02/2022

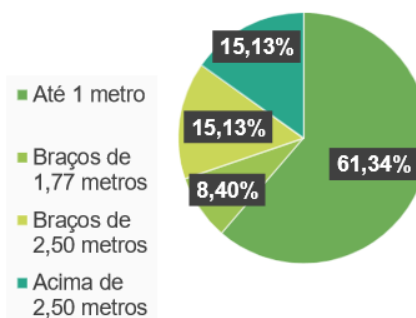
**Vistoria
Grupo I:**
50 pontos

**Vistoria
Grupo II:**
126 pontos

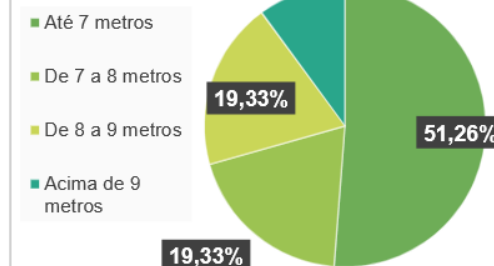
**Nível de Atendimento a
Norma 5101**



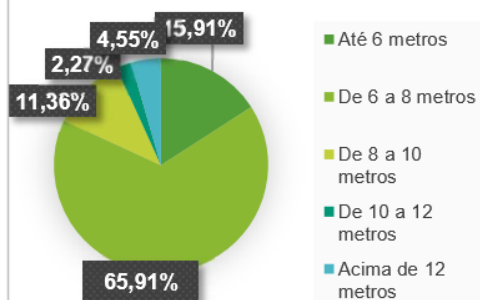
Projeção de braço



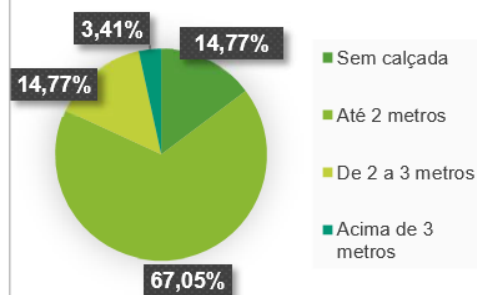
Altura de montagem



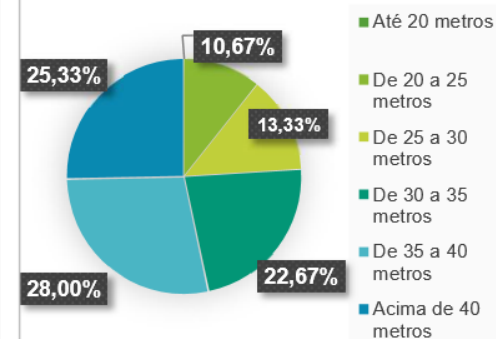
Largura da via



Larguras de Calçadas



Distância entre Postes



DIAGNÓSTICO DO PARQUE DE ILUMINAÇÃO PÚBLICA - RESULTADOS DO TRABALHO DE CAMPO

Parâmetros do Parque de IP - Lagoa Real

**Tamanho do
Parque de IP:
1.458**

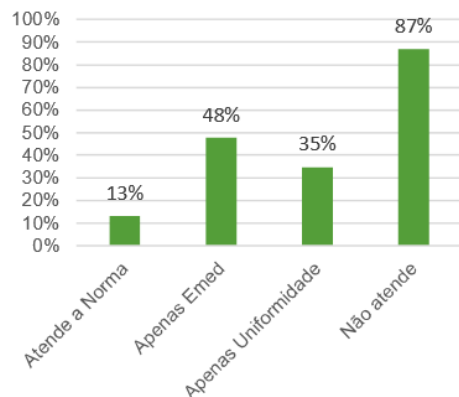
**Data de início
da visita:
11/02/2022**

**Data de
término da
visita:
14/02/2022**

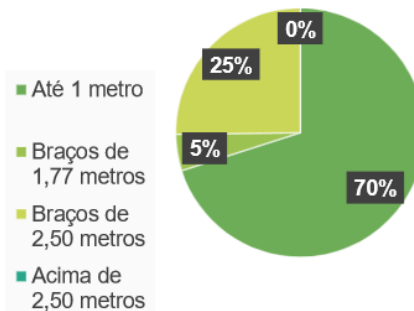
**Vistoria
Grupo I:
50 pontos**

**Vistoria
Grupo II:
126 pontos**

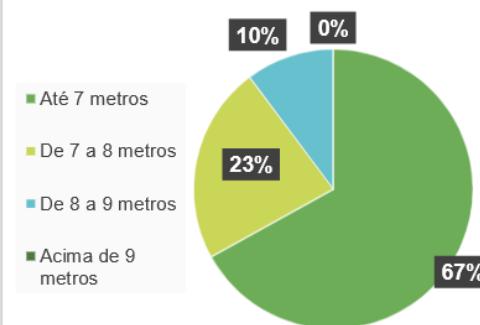
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Norma 5101**



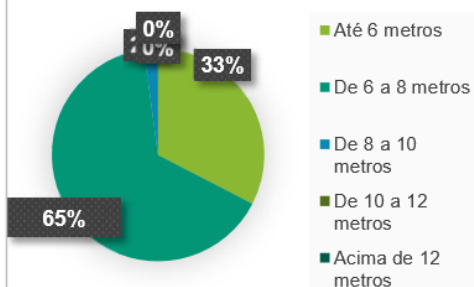
Projeção de braço



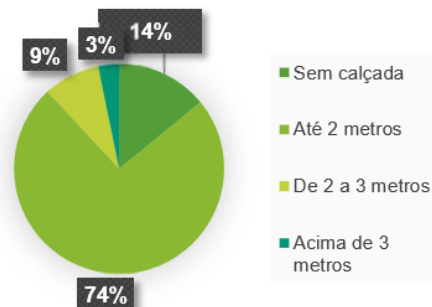
Altura de montagem



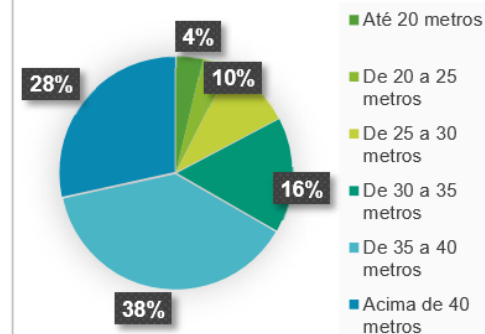
Largura da via



Larguras de Calçadas



Distância entre Postes



DIAGNÓSTICO DO PARQUE DE ILUMINAÇÃO PÚBLICA - RESULTADOS DO TRABALHO DE CAMPO

Parâmetros do Parque de IP - Sebastião Laranjeiras

Tamanho do Parque de IP:
1.023

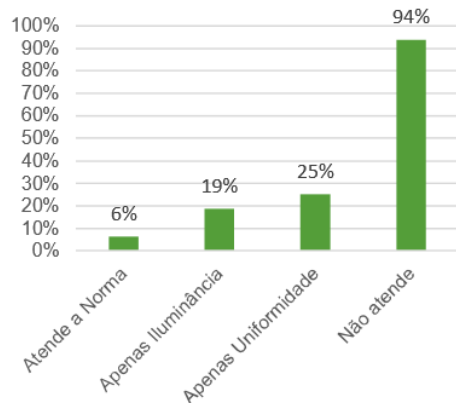
Data de início da visita:
01/02/2022

Data de término da visita:
05/02/2022

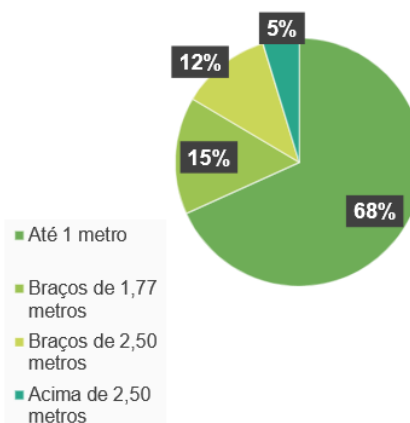
Vistoria Grupo I:
32 pontos

Vistoria Grupo II:
86 pontos

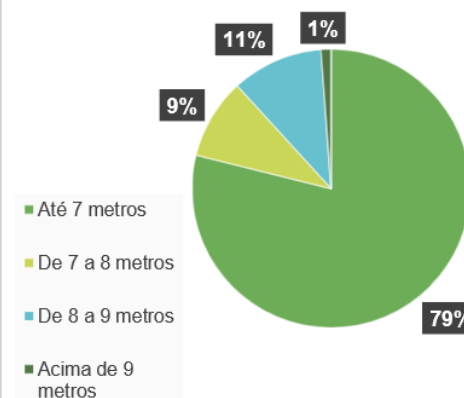
Nível de Atendimento a Norma 5101



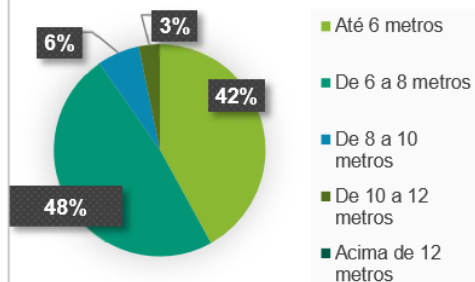
Projeção de braço



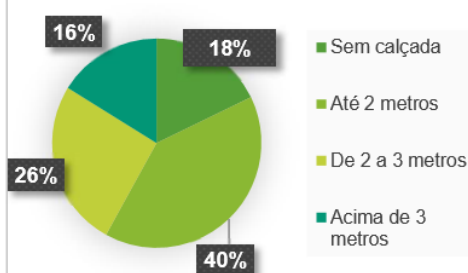
Altura de montagem



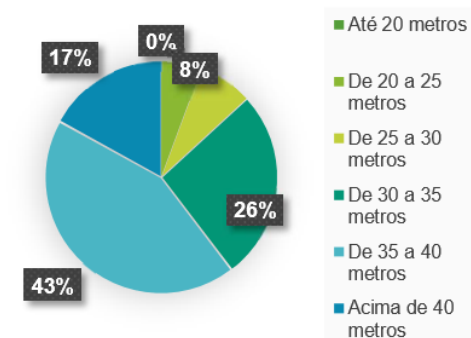
Largura da via



Larguras de Calçadas



Distância entre Postes



7.3.3 Grupo 1: Iluminância

No item 5.1.2 da norma NBR 5101– Requisitos de Iluminância e Uniformidade, as recomendações utilizadas para vias de veículos e pedestres são os parâmetros utilizados no estudo para verificação de atendimentos. São esses:

- $E_{\text{méd}}$: Iluminância média dos pontos coletados e calculados na malha;
- $E_{\text{Mín}}$: Iluminância mínima da malha;
- Uniformidade: Razão entre a iluminância mínima e média, representada por:

$$U = E_{\text{Mín}}/E_{\text{Méd}}$$

Em comparação ao exposto no item 4.2.1 os levantamentos de campo apontaram que a porcentagem de atendimento dos fatores de Iluminância Média ($E_{\text{Méd}}$) e Uniformidade (U), de acordo com sua classe de iluminação, estão significativamente em desacordo com a Norma NBR 5101:2018. Estes dados estão apresentados na Tabela 27.

Tabela 27 – Porcentagens de Atendimento à Norma – Vias				
Município	Classe de Iluminação	Iluminância Média Mínima ($E_{\text{Méd}}$)	Uniformidade (U)	Atendimento Pleno (U e $E_{\text{Méd}}$)
Caculé	V2	100%	0%	0%
	V3	0%	25%	0%
	V4	10%	40%	5%
Guanambi	V2	80%	30%	20%
	V3	92%	46%	46%
	V4	78%	34%	28%
Iuiú	V2	67%	0%	0%
	V3	43%	29%	29%
	V4	50%	50%	50%
	V5	40%	7%	7%
Lagoa Real	V2	50%	50%	0%
	V3	67%	17%	0%
	V4	67%	100%	67%
	V5	69%	31%	31%
Sebastião Laranjeiras	V2	33%	33%	0%
	V3	100%	100%	100%
	V4	0%	33%	0%
	V5	44%	11%	0%
Média dos Municípios	V2	66%	23%	4%
	V3	60%	43%	35%

	V4	41%	51%	30%
	V5	64%	10%	8%

Da mesma forma, os levantamentos de campo demonstraram que grande parte das vias de pedestres dos logradouros não estão de acordo com a NBR 5101. Os dados estão demonstrados na Tabela 28.

Tabela 28 – Porcentagens de Atendimento à Norma – Calçadas				
Município	Classe de Iluminação	Iluminância Média Mínima (E _{Med})	Uniformidade (U)	Atendimento Pleno (U e E _{Med})
Caculé	P2	100%	50%	0%
	P3	43%	57%	57%
	P4	79%	38%	12%
Guanambi	P2	75%	60%	40%
	P3	90%	50%	30%
	P4	96%	55%	49%
Iuiú	P2	60%	80%	60%
	P3	50%	50%	25%
	P4	44%	22%	11%
Lagoa Real	P2	75%	0%	0%
	P3	100%	45%	27%
	P4	88%	38%	23%
Sebastião Laranjeiras	P2	0%	0%	0%
	P3	50%	75%	75%
	P4	55%	14%	0%
Média dos Municípios	P2	62%	38%	20%
	P3	67%	55%	43%
	P4	72%	33%	19%

O Anexo 2 do presente Relatório detalha os pontos levantados na parte de Iluminância.

7.3.4 Grupo 2: Estrutural

De maneira geral, foi observado, que o SIP dos municípios possui distribuição estrutural dos ativos de forma regular em relação às classes viárias existentes. Por consequência, as distribuições entre classes de iluminação também têm tendência de distribuição regular.

A Tabela 29 mostra os valores típicos encontrados nos dados levantados. Tais valores subsidiarão as alternativas para soluções no projeto de engenharia a ser elaborado.

Tabela 29 – Valores Típicos por Classe Viária					
Município	Classe de Iluminação	Largura da Via (m)	Espaçamento entre Pontos (m)	Altura de Montagem (m)	Comprimento dos Braços (m)
Caculé	V2	7,9	31,6	7,63	2,5
	V3	7,96	34,18	7,06	1,5
	V4	7,34	34,76	6,73	1,08
	Média	7,45	34,38	6,8	1,69
	Média	7,09	35,11	7,21	1,69
Guanambi	V2	8,93	35,21	8	2,3
	V3	7,8	41,71	7,85	2,23
	V4	6,8	35,82	7,56	1,76
	Média	7,05	36,81	7,64	2,1
Iuiu	V2	9,72	33,65	8,47	2,34
	V3	6,92	34,27	8,32	2,15
	V4	8,30	35,20	6,58	1,00
	V5	7,20	37,44	6,62	1,51
	Média	7,48	35,92	7,33	1,51
Lagoa Real	V2	7,1	33,5	7,66	2,14
	V3	7,33	43,87	7,58	2,13
	V4	7,48	27,20	6,88	1,38
	V5	6,27	38,77	6,9	1,27
	Média	6,77	37,86	7,05	1,46
Sebastião Laranjeiras	V2	7,57	26,67	7,57	1,9
	V3	6,53	39,85	7,03	1,5
	V4	6,54	41,03	7,22	1,40
	V5	6,51	37,54	6,70	1,36
	Média	6,62	36,64	6,87	1,38
MÉDIA DOS MUNICÍPIOS	V2	8,24	32,13	7,87	2,24
	V3	7,31	38,78	7,57	1,90
	V4	7,29	34,80	6,99	1,32
	V5	6,90	36,99	6,93	1,59
	Média Geral	7,44	35,67	7,34	1,76

Tabela 30 - Distribuição das Vias de Pedestres por Classe de Iluminação

Município	Classes de Iluminação	Largura Média
Caculé	P2	3,2
	P3	2,19
	P4	1,89
Guanambi	P2	3,6
	P3	2,24
	P4	2,41
Iuiú	P2	1,90
	P3	1,75
	P4	1,63
Lagoa Real	P2	5,27
	P3	1,81
	P4	1,47
Sebastião Laranjeiras	P2	2,72
	P3	2,32
	P4	2,20

As calçadas das vias estudadas encontram sua distribuição média de dados coletados em campo conforme Tabela 30.

O Anexo 3 do presente Relatório apresenta a totalidade dos dados coletados nos 6 municípios do CDS participantes do corrente Projeto.

A Tabela 31 demonstra os resultados coletados em campo agrupados pelas respectivas classes de iluminação viárias, em cada município.

Tabela 31 - Dados estruturais por classes de Iluminância

Município	Espaçamento entre Pontos	Largura da Via	Largura da Calçada	Altura de Montagem	Projeção dos Braços
Caculé	■ Até 25 metros ■ De 25 a 30 metros ■ De 30 a 35 metros ■ De 35 a 40 metros ■ Acima de 40 metros	■ Até 6 metros ■ De 6 a 8 metros ■ De 8 a 10 metros ■ De 10 a 12 metros ■ Acima de 12 metros	■ Sem nenhuma calçada ■ Até 2 metros ■ De 2 a 3 metros ■ Acima de 3 metros	■ Até 7 metros ■ De 7 a 8 metros ■ De 8 a 9 metros ■ Acima de 9 metros	■ Sem Braço ■ até 1 m ■ Entre 1,00 e 1,77m ■ Entre 1,77 e 2,5m ■ Entre 2,5 e 3,0m ■ Acima de 3,00m
Guanambi	■ Até 25 metros ■ De 25 a 30 metros ■ De 30 a 35 metros ■ De 35 a 40 metros ■ Acima de 40 metros	■ Até 6 metros ■ De 6 a 8 metros ■ De 8 a 10 metros ■ De 10 a 12 metros ■ Acima de 12 metros	■ Sem nenhuma calçada ■ Até 2 metros ■ De 2 a 3 metros ■ Acima de 3 metros	■ Até 7 metros ■ De 7 a 8 metros ■ De 8 a 9 metros ■ Acima de 9 metros	■ Sem Braço ■ até 1 m ■ Entre 1,00 e 1,77m ■ Entre 1,77 e 2,5m ■ Entre 2,5 e 3,0m ■ Acima de 3,00m
Iuiú	■ Até 25 metros ■ De 25 a 30 metros ■ De 30 a 35 metros ■ De 35 a 40 metros ■ Acima de 40 metros	■ Até 6 metros ■ De 6 a 8 metros ■ De 8 a 10 metros ■ De 10 a 12 metros ■ Acima de 12 metros	■ Sem nenhuma calçada ■ Até 2 metros ■ De 2 a 3 metros ■ Acima de 3 metros	■ Até 7 metros ■ De 7 a 8 metros ■ De 8 a 9 metros ■ Acima de 9 metros	■ Sem Braço ■ até 1 m ■ Entre 1,00 e 1,77m ■ Entre 1,77 e 2,5m ■ Entre 2,5 e 3,0m ■ Acima de 3,00m



7.3.5 Avaliação dos Resultados

De maneira geral verifica-se que as Vias dos municípios possuem baixos coeficientes de atingimento a norma NBR 5101. Respectivamente, V2, V3 e V4 registraram índices de atendimento pleno de 15%, 22% e 12% de média geral. Nota-se que as vias de classificação V4 e V5 possuem índices que variam de 0% a 28%, configurando as piores situações viárias.

Do ponto de vista estrutural, as configurações das vias (larguras de vias de veículos e pedestres) são muito similares nos municípios, apresentando também proporções expressivas de vias V4 e V5 em relação às principais (V2 e V3), conforme exposto no item 4.3.1.

De maneira geral, os estudos, entrevistas e dados coletados em campo, apresentam os seguintes pontos:

- Vias classificados como V4 e V5 possuem na média geral aproximadamente 7,00 metros de largura de via, espaçamento entre pontos menor que 40,00m, com altura de montagem relativamente de 6,90m;
- Em todas as classes de iluminação, o espaçamento entre pontos e largura média das vias das vias e encontram valores também favoráveis ao desenvolvimento do Projeto de Engenharia, pois, percentualmente, se encontram com cerca de 90% de seus valores menores que 8,00 m de largura de vias e mais de 70% dos pontos com espaçamento menor que 40,00 m.

Portanto, apesar dos baixos índices de adequação à NBR 5101 atuais, mesmo com configurações municipais muito diversificadas de tipos e potências de lâmpadas, a modernização dos parques em tecnologia LED a ser desenvolvida, a partir da situação de cada município exposta no presente Relatório, possui grande potencial de efficientização de consumo assim como de eficácia de iluminação em relação às realidades de cada município.

Ainda, situações de baixa urbanização em vias V4 e V5 (sem pavimentação, p.ex.) têm como consequência baixos índices de iluminação. Essa situação é frequente nas vias de bairros periféricos da cidade, com vãos e potências de lâmpadas aquém dos necessários para atingimento dos valores orientados pela norma NBR 5101.

As soluções a serem apresentadas, com base no presente relatório, terão os seguintes vetores de dimensionamentos quantitativos:

- **Modernização:** Substituição do parque de tecnologia convencional e de luminárias fora do tempo de garantia por tecnologia LED;
- **Expansão:** Crescimento vegetativo do parque;
- **Correção de pontos escuros/Demanda Reprimida:** Correção de vãos e demanda reprimida (vias sem implantação de IP).

7.4 Vida Útil Remanescente dos Ativos Existentes

7.4.1 Luminárias Convencionais

Durante as vistorias foi verificada a existência de luminárias convencionais em bom estado de conservação e que ainda podem suportar mais 5 anos. Entretanto, acredita-se aqui não fazer sentido mantê-las, levando-se em consideração a economia de escala na aquisição das próximas luminárias LED. Mesmo reformadas em curto prazo, esses pontos não alteram as dimensões de projeto, pois serão substituídos por estarem aquém do que a tecnologia LED oferece a nível de eficiência, conforme será detalhado no Projeto de Engenharia.

7.4.2 Luminárias em LED

Apresentado no item 5.5, as modernizações em tecnologia LED apresentadas pelas Prefeituras e vistoriadas em campo estão em geral nas vias principais das suas Sedes. Foi informado que as modernizações se iniciaram no ano de 2019, com garantia estimada entre 36 e 60 meses. Não foi informada a quantidade de pontos modernizados.

Foram observados bons índices de iluminância nas vias (item 7.3.3), porém, dado o tempo de implantação e garantia, em relação com o tempo para início da execução da PPP, esses pontos deverão ser substituídos por novas luminárias no Projeto de Engenharia.

Da Figura 40 à Figura 42 são apresentados alguns exemplos da modernização em LED nos municípios.

Figura 40 - Praça de Sebastião Laranjeiras com iluminação em LED



Figura 41 - Praça de Guanambi com iluminação em LED



Figura 42 – Entrada da Sede de Iuiu em LED



7.4.3 Indicadores de Desempenho

Os indicadores de desempenho são dados a partir de Relatórios das manifestações dos usuários do SIP municipal, sendo possível, em linha de tempo, se estabelecerem a quantidade de manifestações por ano, por exemplo. Entretanto, durante a elaboração do presente Diagnóstico não foram identificados tais documentos.

A Prefeitura Municipal de Guanambi disponibilizou um compilado de manifestações da população, não categorizada em forma de Relatório, em que se registraram aproximadamente 1.800 demandas sobre o parque de IP municipal entre os anos de 2021 e 2022.

As prefeituras dos municípios de Sebastião Laranjeiras, Iuiu, Guanambi e Caculé possuem sítios eletrônicos com *layouts* idênticos, mudando apenas o conteúdo.

Nas páginas das prefeituras citadas, há uma página exclusiva da ouvidoria municipal, que recebe variadas manifestações dos munícipes, que podem fazer reclamações, denúncias, elogios, solicitações, apresentar dúvidas e sugestões. Os munícipes também podem acompanhar o processo de sua manifestação através de aba própria na página da ouvidoria através do protocolo gerado pelo atendimento eletrônico. Nas páginas das prefeituras dos municípios citados não há outros canais de manifestação da população além do canal eletrônico da ouvidoria. Tampouco há canal exclusivo para manifestações dos usuários do SIP.

A prefeitura de Lagoa Real não possui ouvidoria municipal, oferecendo para os munícipes o endereço, telefone e horários de atendimento presencial da prefeitura, bem como uma aba “fale conosco” em sua página eletrônica.

8 BIBLIOGRAFIA

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ABNT, NBR 5427:1985 - Guia para utilização da norma NBR 5426 - Planos de amostragem e procedimentos na inspeção por atributos.

TERMO DE ENCERRAMENTO

Rio de Janeiro, 30 de agosto de 2023.

À

Caixa Econômica Federal (CAIXA)

Ref.: Etapa 1: Planejamento, Diagnóstico e Estudos - Diagnóstico Técnico Operacional dos Parques de Iluminação Pública dos municípios integrantes do Consórcio de Desenvolvimento Sustentável do Alto Sertão.

Prezados Senhores,

Este volume de nº 0488CT1012-04 contém 79 (setenta e nove) páginas numeradas sequencialmente inclusive esta de encerramento.

Atenciosamente,

Eng. Eduardo Ramalho Ortigão
CREA 35162/D-RJ
CPF. nº 339.109.107-00
Sócio Diretor

Verificação e Aprovação:

Verificado: Elvio Gaspar

Data: 30/08/2023

Aprovado: Eduardo Ortigão

Data: 30/08/2023

ANEXOS

ANEXO 1 – CADASTROS DE ILUMINAÇÃO PÚBLICA

ANEXO 2 – RESULTADOS DOS LEVANTAMENTOS – GRUPO 1

ANEXO 3 – RESULTADOS DOS LEVANTAMENTOS – GRUPO 2

ANEXO 4 – CLASSES DE ILUMINÂNCIA – PREFEITURAS MUNICIPAIS

ANEXO 1–CADASTROS DE ILUMINAÇÃO PÚBLICA

ANEXO 1 – CADASTROS DE ILUMINAÇÃO PÚBLICA

Sebastião Laranjeiras

Tipo_Lampada	Potencia_Lampada	Qtd_Lampada	LAT	LONG
VM	140	1	-14,64793541	-43,19043774
VM	140	1	-14,56454904	-42,94455683
VM	140	1	-14,74804772	-42,87536792
VM	140	1	-14,7476464	-42,87556122
VM	140	1	-14,61626075	-42,88391375
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VM	140	1	-14,56564307	-42,94461272
VM	140	1	-14,74830832	-42,87520936
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VM	140	1	-14,66122241	-42,86072596
VS	84	1	-14,41717755	-43,13211528
VM	140	1	-14,66218509	-42,85834268
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VS	84	1	-14,41943268	-43,13325214
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VM	140	1	-14,74819256	-42,8756746
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VS	84	2	-14,43543472	-43,16828259
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VM	140	1	-14,56537136	-42,94498229
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VM	140	1	-14,56937414	-42,94120958
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VM	140	1	-14,75018137	-42,87460109
VM	140	1	-14,74926576	-42,87526632
VM	140	1	-14,74853177	-42,87571859
VM	140	1	-14,74884899	-42,87550619
VM	140	1	-14,7213027	-42,92439422
VS	84	1	-14,75056176	-42,87441681
VM	140	1	-14,74750007	-42,876244
VM	140	1	-14,75118983	-42,89224677
VM	140	1	-14,56775073	-42,94237921
VS	172	1	-14,75065151	-42,87628668
VM	140	1	-14,57097714	-42,94274795
VS	280	2	-14,56791795	-42,94126281
VM	140	1	-14,57139586	-42,94651833
VM	140	1	-14,57244713	-42,94139896
VM	140	1	-14,66360795	-43,13091287
VS	172	1	-14,74944234	-42,87707828
VM	140	1	-14,5703817	-42,94468541
VM	140	1	-14,66379033	-43,13244594
VS	280	2	-14,56533515	-42,94268521
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VM	140	1	-14,57096067	-42,94234874
VM	140	1	-14,44803351	-43,18859495
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VM	140	1	-14,56882203	-42,9462534
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VS	280	1	-14,69825985	-42,93264799
VM	140	1	-14,57142163	-42,9468526
VM	140	1	-14,57282082	-42,94513205
VM	140	1	-14,56664471	-42,9435475
VM	140	1	-14,57101392	-42,94483661
VM	140	1	-14,76220498	-43,50083523
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VM	140	1	-14,57291416	-42,9421621
VM	140	1	-14,75891085	-43,501419
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VM	140	1	-14,65103789	-42,88077251
VM	140	1	-14,57197178	-42,94494279
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VM	140	1	-14,66336401	-43,13088376
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VS	280	1	-14,56640429	-42,94211973
VM	140	1	-14,57082839	-42,94152206
VM	140	1	-14,63996129	-42,87685173
VM	140	1	-14,67516322	-42,89056074
VM	140	1	-14,56898947	-42,94244248
VS	172	17	-14,57266395	-42,9399317
VS	438	21	-14,57266395	-42,9399317
VM	140	1	-14,56932998	-42,94319578
VM	140	1	-14,57299802	-42,94378686
VM	140	1	-14,57065184	-42,94270944

VM	140	1	-14,45144443	-43,17540579
VM	140	1	-14,57427203	-42,94619642
VM	140	1	-14,56896374	-42,94209893
VM	140	1	-14,57268201	-42,9481575
VM	140	1	-14,57353887	-42,93968635
VM	140	1	-14,57370598	-42,94533075
VM	140	1	-14,74973443	-42,87688705
VS	172	1	-14,57691967	-42,93596036
VM	140	1	-14,57287783	-42,9444454
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VM	140	1	-14,5718306	-42,9418419
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VM	140	1	-14,57109952	-42,94378808
VM	278	1	-14,71900305	-42,9275055
VM	140	1	-14,5735793	-42,94087467
VM	140	1	-14,64947637	-42,88250271
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VM	140	1	-14,49665054	-43,03826728
VM	140	1	-14,48714998	-43,03602406
VM	140	1	-14,52762577	-43,08160121
VM	140	1	-14,5199477	-43,06244761
VM	140	1	-14,48913747	-43,03633949
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VM	91	1	-14,52748628	-43,08244502
VM	140	1	-14,48058558	-43,04037292
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MT	160	1	-14,46965255	-43,03906022
VM	140	1	-14,50186938	-43,05192256
VM	140	1	-14,49331603	-43,03590424
VM	140	2	-14,52067468	-43,06161589
VM	140	1	-14,4781078	-43,04053766
VM	140	1	-14,4875698	-43,03717655
VM	140	1	-14,49479768	-43,03612453
VS	438	3	-14,49155687	-43,03506099
VM	140	1	-14,49155687	-43,03506099
VM	140	1	-14,46929016	-43,03923481
VM	140	1	-14,49051697	-43,03512111

VM	140	1	-14,48651529	-43,03644793
VM	140	1	-14,49563547	-43,0367965
VS	84	1	-14,51659456	-43,15973673
VM	140	1	-14,48887302	-43,03685786
VM	140	1	-14,48776631	-43,03566506
VM	140	1	-14,48168141	-43,03993267
VM	140	2	-14,51898451	-43,06353803
VM	140	1	-14,49217173	-43,035036
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VM	140	1	-14,57076492	-42,94605153
VM	140	1	-14,5689252	-42,94492983
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VM	140	1	-14,57264586	-42,94368326
VS	438	3	-14,57169281	-42,94909079
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VM	140	1	-14,57033285	-42,94334856
VM	140	1	-14,57107844	-42,9467676
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VS	84	1	-14,42275614	-43,13399808
VM	140	1	-14,57459495	-42,94487812
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VS	84	1	-14,41908646	-43,13305894
VM	140	1	-14,47515931	-43,04083938
VM	140	1	-14,56935975	-42,94253687
VM	140	1	-14,66319945	-42,85601158
VM	140	1	-14,45114753	-43,17659108
VS	280	2	-14,56603353	-42,94232682
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VS	280	2	-14,56435305	-42,94318746
VM	140	1	-14,44793082	-43,18434846
VM	140	1	-14,56663959	-42,942284
VM	140	1	-14,56929942	-42,94180332
VM	140	1	-14,57358305	-42,94568435

VS	438	3	-14,57382458	-42,94057867
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VS	84	1	-14,56700399	-42,94511241
VM	140	1	-14,5702986	-42,94062871
VM	140	1	-14,57152451	-42,9482361
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VM	140	1	-14,57313341	-42,94314454
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VM	91	1	-14,57399189	-42,94616738
VM	140	1	-14,6208318	-42,88597218
VM	140	1	-14,57243316	-42,94709826
VS	280	2	-14,56708902	-42,94173789
VM	140	1	-14,57228262	-42,94006598
MT	160	1	-14,57436278	-42,94162986
VM	140	1	-14,57436278	-42,94162986
VM	140	1	-14,57268229	-42,94585548
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VM	140	1	-14,57072081	-42,94129882
VM	140	1	-14,57493815	-42,94243059
VM	140	1	-14,66388181	-42,85397615
LED	30	8	-14,56968419	-42,94054257
VS	280	9	-14,56968419	-42,94054257
VM	140	1	-14,56968419	-42,94054257
VM	140	1	-14,57436073	-42,94214039
VM	140	1	-14,56704629	-42,94231357
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VM	140	1	-14,57476832	-42,95128354
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VS	280	2	-14,5655448	-42,94257211
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VM	140	1	-14,57280302	-42,94282067
LED	30	1	-14,57115931	-42,94050278
VS	280	3	-14,57115931	-42,94050278
VM	140	1	-14,57115931	-42,94050278
VM	140	1	-14,6636843	-43,01425551
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VS	84	1	-14,56734976	-42,94512075
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VM	140	1	-14,76042451	-43,50163494
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VS	280	2	-14,5649986	-42,94285819
VM	140	1	-14,57187311	-42,94251041
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LED	30	10	-14,56820151	-42,94111578
VS	280	10	-14,56820151	-42,94111578
VS	280	2	-14,56820151	-42,94111578
VM	140	1	-14,57167067	-42,9456284
VM	140	1	-14,56925133	-42,94436046
VS	280	2	-14,56624127	-42,94221566
VM	140	1	-14,57074038	-42,94092762
VS	280	2	-14,56574934	-42,9424719
VM	140	1	-14,66304851	-43,12930257
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MT	160	1	-14,65897341	-42,80661866
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VM	140	1	-14,57458554	-42,94243838
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VS	84	1	-14,43521784	-43,16852226
VM	140	1	-14,75951931	-43,50108795
VM	140	1	-14,57001787	-42,94523151
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VM	140	1	-14,57340484	-42,94602565
VM	140	1	-14,57248271	-42,93999331
VM	140	1	-14,66390156	-42,82940528
VS	280	2	-14,5630118	-42,94377136
VM	140	1	-14,65055833	-42,88088203
VM	140	1	-14,74927145	-42,85807588
VM	140	1	-14,57472009	-42,94269886
VM	140	1	-14,57477475	-42,94259698
VM	140	1	-14,56933597	-42,94053961
VM	140	1	-14,56510658	-42,9435677
VM	140	1	-14,57295261	-42,94049274
VM	140	1	-14,57470803	-42,94120434
VM	140	1	-14,6650293	-43,13048373
VM	140	1	-14,57181554	-42,94108997
VM	140	1	-14,57415574	-42,94365255
VM	140	1	-14,5714735	-42,94743761
VM	140	1	-14,57440928	-42,94355152
VM	140	1	-14,57449921	-42,94142623
VM	140	1	-14,57050155	-42,94634744
VM	140	1	-14,75978137	-43,50095831
VM	140	1	-14,64006408	-42,80805207
VM	140	1	-14,56962469	-42,94185111
VM	140	1	-14,56926689	-42,94634728
VM	140	1	-14,74882691	-42,87744723
VM	140	1	-14,57215799	-42,94136061
VM	140	1	-14,57112791	-42,9434726
VM	140	1	-14,57408327	-42,94404711
VM	140	1	-14,57310304	-42,94015791
VM	140	1	-14,6662046	-42,83005471
VS	280	2	-14,56370631	-42,94349734
VM	140	1	-14,57178966	-42,94078354
VM	140	1	-14,75034014	-42,87645879
VM	140	1	-14,56965926	-42,94448741
VM	140	1	-14,75125297	-42,87592956
VM	140	1	-14,57208049	-42,94040132
VM	140	1	-14,57135325	-42,94587767
VM	140	1	-14,74886658	-42,85630401
VM	140	1	-14,74681953	-42,85245931
VM	140	1	-14,5696192	-42,94545259
VM	140	1	-14,6204788	-42,88608218
VS	280	2	-14,56335165	-42,94363348
VM	140	1	-14,57394364	-42,9401986
VM	140	1	-14,57077666	-42,94123566
VM	140	1	-14,56692466	-42,94108781
VM	140	1	-14,66371263	-43,1316934
VM	140	1	-14,57442849	-42,94551019
VM	140	1	-14,66264786	-43,12922614
VM	140	1	-14,57146771	-42,94215596
VM	140	1	-14,7622165	-43,50028477
VM	140	1	-14,56898555	-42,9411708
VM	140	1	-14,75922259	-43,50122422
VM	140	1	-14,64725647	-42,88142599
VM	140	1	-14,7505233	-42,87672205
VM	140	1	-14,61629693	-42,88505345
VM	140	1	-14,5702571	-42,9419559

VM	140	1	-14,57248184	-42,94847225
VM	140	1	-14,748655	-42,87660162
VM	140	1	-14,57004528	-42,94067405
VS	84	1	-14,56699069	-42,94619103
VM	140	1	-14,665086	-42,84187912
VM	140	1	-14,5686165	-42,94836273
VM	140	1	-14,56773989	-42,94102982
VM	140	1	-14,65930293	-42,8070657
VM	140	1	-14,66217753	-43,12916653
VS	280	2	-14,56468068	-42,94303032
VM	140	1	-14,6635824	-43,13058774
VM	140	1	-14,57123272	-42,94438271
VM	140	1	-14,57105394	-42,94611774
VM	140	1	-14,57357338	-42,94458759
VM	140	1	-14,57308141	-42,94552302
VM	140	1	-14,45038011	-43,17508646
VM	140	1	-14,571471	-42,94133913
VM	140	1	-14,75205862	-42,85854607
VM	140	1	-14,74760427	-42,85294543
VM	140	1	-14,57191422	-42,94799643
VM	140	1	-14,74891017	-42,8567408
VM	140	1	-14,57089715	-42,94049777
VS	84	1	-14,57333582	-42,93948425
VM	140	1	-14,57317062	-42,94133706
VM	140	1	-14,57182305	-42,94147058
VM	140	1	-14,57491514	-42,94140943
VM	140	1	-14,44784499	-43,18813634
VM	140	1	-14,57258997	-42,94409145
VM	140	1	-14,57427626	-42,94066413
VM	140	1	-14,76139452	-43,50024356
VM	140	1	-14,7509663	-42,87616902
VM	140	1	-14,74968785	-42,87601119
VM	140	1	-14,57188073	-42,94286317
VM	140	1	-14,56827308	-42,94074081
VS	172	1	-14,5742015	-42,93902082
VM	140	1	-14,47991583	-43,04054609
VM	140	1	-14,62185474	-42,88561418
VM	140	1	-14,56529799	-42,94407605
VM	140	1	-14,57053658	-42,94662606
VM	140	1	-14,57313718	-42,9406593
VM	140	1	-14,57056224	-42,94698817
VM	140	1	-14,57104812	-42,94308241
VM	140	1	-14,56968507	-42,9448124
VM	140	1	-14,56944832	-42,94074578
VM	140	1	-14,57089982	-42,94174513
VS	84	1	-14,60685372	-42,96246128
VM	140	1	-14,570842	-42,94744522
VM	140	1	-14,74959145	-42,85833102
VM	140	1	-14,66177568	-43,12911628
VM	140	1	-14,56676834	-42,94389545
VM	140	1	-14,56874074	-42,94697168
VM	140	1	-14,57459128	-42,94325526
VM	140	1	-14,66459706	-43,13013794
VM	140	1	-14,47956306	-43,04059083
VS	438	1	-14,49638151	-43,18835452
VM	140	1	-14,57357642	-42,93934306
VM	140	1	-14,56844141	-42,94685976
VM	140	1	-14,57318232	-42,94516144
VM	140	1	-14,57270407	-42,94045325
VM	140	1	-14,75101756	-42,87676351
VM	140	1	-14,64934739	-42,88161058
VM	140	1	-14,6636423	-43,13128447

VM	140	1	-14,56833899	-42,94276163
VM	140	1	-14,76198873	-43,4998942
VM	140	1	-14,57340356	-42,93974899
VM	140	1	-14,56785776	-42,94408665
VM	140	1	-14,57289489	-42,94245905
VM	140	1	-14,75006885	-42,87671782
VM	140	1	-14,56730967	-42,94104935
VM	140	1	-14,448067	-43,18540401
VM	140	1	-14,57369352	-42,94393834
VM	140	1	-14,66418022	-42,80932325
VS	84	1	-14,42988405	-43,14595879
VM	140	1	-14,5717559	-42,94690972
VS	84	1	-14,41991758	-43,1331034
VM	140	1	-14,57112751	-42,9413284
VM	140	1	-14,57165633	-42,94021676
VM	140	1	-14,74851384	-42,87761366
VM	140	1	-14,5711885	-42,94414118
VM	140	1	-14,74980709	-42,87555646
VM	140	1	-14,64826045	-42,8813
VM	140	1	-14,663554	-43,12899046
VM	140	1	-14,56738063	-42,94235212
VM	140	1	-14,57436401	-42,94580695
VM	140	1	-14,57138486	-42,94028059
VM	140	1	-14,57409661	-42,94037561
VM	140	1	-14,57157697	-42,94420781
MT	160	1	-14,55585197	-42,94828275
VM	140	1	-14,5740213	-42,94336422
VM	140	1	-14,56959838	-42,9461301

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Tipo_Lampada	Potencia_Lampada	Qtd_Lampada	LAT	LONG
VM	125	1	-14,41277874	-43,55706962
LD	100	2	-14,41148103	-43,57512712
VM	125	1	-14,41360563	-43,55642053
MT	160	1	-14,3881345	-43,47910335
MV	250	2	-14,41167958	-43,55117528
MT	160	1	-14,3943065	-43,48997165
VM	125	1	-14,41096738	-43,54363821
VM	125	1	-14,3995423	-43,47931912
VM	125	1	-14,43043028	-43,55168977
VS	250	1	-14,34960542	-43,57567945
VS	250	2	-14,41163564	-43,55145273
ME	250	1	-14,41173097	-43,54956849
VS	250	1	-14,41173097	-43,54956849
ME	400	1	-14,41142876	-43,54699321
VS	250	1	-14,41142876	-43,54699321
ME	70	1	-14,41412044	-43,53945863
VM	125	1	-14,41132167	-43,48803574
VM	125	1	-14,5516086	-43,5686776
VS	70	1	-14,38257513	-43,55945959
VM	125	1	-14,55205868	-43,5684267
VS	250	2	-14,41175651	-43,5492158
VS	250	2	-14,41140138	-43,54654918
VM	125	1	-14,55919974	-43,57230394
ME	70	1	-14,41903736	-43,50182352
VM	125	1	-14,55464351	-43,56682231
VM	125	1	-14,55586925	-43,56412769
ME	250	2	-14,41159429	-43,55192745
ME	250	1	-14,41142456	-43,5467503
VS	250	1	-14,41142456	-43,5467503
MV	250	1	-14,41114822	-43,54494224

VS	250	1	-14,41114822	-43,54494224
VM	125	1	-14,4084083	-43,55334432
VM	125	1	-14,55166566	-43,56837725
ME	250	1	-14,41177882	-43,54888738
VS	250	1	-14,41177882	-43,54888738
VM	125	1	-14,41722807	-43,50164457
ME	70	1	-14,41718288	-43,50084678
VM	125	1	-14,41514908	-43,55177425
VS	70	1	-14,43225643	-43,55654664
VM	125	1	-14,34056658	-43,50756709
ME	250	1	-14,41123104	-43,54538136
MV	250	1	-14,41123104	-43,54538136
VM	125	1	-14,41368137	-43,49158973
PL	45	1	-14,33961811	-43,54389487
ME	400	1	-14,33590688	-43,53940035
ME	400	1	-14,33627845	-43,53964077
ME	250	2	-14,41140446	-43,54634184
VM	125	1	-14,5519753	-43,56874403
ME	250	1	-14,41178912	-43,54862482
VS	250	1	-14,41178912	-43,54862482
VM	125	1	-14,39038445	-43,47883764
VM	125	1	-14,39574128	-43,66989544
LD	100	1	-14,41455248	-43,55451937
VS	250	1	-14,34909479	-43,57406178
VS	250	2	-14,41179684	-43,54842744
VS	250	2	-14,41135424	-43,54607394
VM	125	1	-14,41505499	-43,55136137
ME	400	3	-14,55950208	-43,57408103
VM	125	1	-14,57366401	-43,61979453
VS	250	1	-14,55520685	-43,56412061
ME	250	1	-14,41108249	-43,54436504
VS	250	1	-14,41108249	-43,54436504
VM	125	1	-14,41478068	-43,55124903
VS	70	1	-14,43955685	-43,58936224
VM	125	1	-14,40574845	-43,55361887
MT	160	1	-14,52231207	-43,51914634
VM	125	1	-14,5255019	-43,5248559
VM	125	1	-14,52495773	-43,5251398
VM	125	1	-14,523571	-43,5173549
VM	125	1	-14,52517755	-43,52469594
MT	160	1	-14,52219067	-43,51974862
VM	125	1	-14,54594441	-43,53227111
VM	125	1	-14,54814949	-43,52955813
VS	70	1	-14,54210718	-43,53577078
VM	125	1	-14,54468141	-43,53328313
VS	70	1	-14,54060277	-43,53913801
VS	150	1	-14,53158416	-43,51972859
VM	125	1	-14,41111881	-43,55675977
VM	125	1	-14,40811654	-43,54815769
VM	125	1	-14,40755257	-43,55008271
VM	125	1	-14,41053969	-43,54528099
VM	125	1	-14,41427807	-43,5574711
VM	125	1	-14,40732042	-43,54964525
VM	125	1	-14,41060896	-43,54574516
VM	125	1	-14,36353869	-43,46330054
VM	125	1	-14,41412106	-43,55325337
VM	125	1	-14,41440415	-43,55556453
VM	125	1	-14,41240264	-43,55203588
VM	125	1	-14,41064342	-43,54738685
VM	125	1	-14,40811957	-43,53521166
VM	125	1	-14,41000016	-43,55551064
LD	150	1	-14,39975524	-43,54998299

LD	150	1	-14,40064706	-43,55028042
LD	150	1	-14,40193965	-43,55046646
LD	150	1	-14,40414222	-43,55088219
LD	150	1	-14,40598771	-43,5513882
LD	150	1	-14,40826759	-43,55183925
LD	150	1	-14,41074055	-43,55220718
VM	125	1	-14,40899945	-43,5527357
ME	400	2	-14,41210349	-43,55354544
VM	125	1	-14,41210349	-43,55354544
LD	100	1	-14,41397799	-43,55439307
VM	125	1	-14,41104323	-43,54844681
VM	125	1	-14,41406336	-43,55378158
VM	125	1	-14,40955766	-43,54755556
VM	125	1	-14,39853386	-43,55150845
VM	125	1	-14,39911366	-43,55188709
VM	125	1	-14,40977673	-43,54030501
VM	125	1	-14,41420731	-43,55525713
VM	125	1	-14,41079166	-43,54406786
VM	125	1	-14,40960102	-43,54921585
VM	125	1	-14,41461832	-43,55598334
VM	125	1	-14,48920453	-43,62967758
VM	125	1	-14,41013327	-43,5479954
VM	125	1	-14,40819067	-43,54787999
VM	125	1	-14,41442188	-43,55826613
VM	125	1	-14,41206846	-43,55199648
VM	125	1	-14,41071398	-43,55483396
VM	125	2	-14,41033012	-43,55483112
VM	125	1	-14,33851246	-43,5695672
ME	250	1	-14,37915739	-43,56262589
VM	125	1	-14,37915739	-43,56262589
VM	125	1	-14,41084088	-43,53790113
VM	125	1	-14,39983608	-43,55073663
VM	125	1	-14,39953908	-43,5504728
VM	125	1	-14,41170777	-43,55461846
VM	125	1	-14,41307587	-43,55549968
VM	125	1	-14,58012425	-43,58852556
VM	125	2	-14,4083949	-43,54981959
VM	125	1	-14,41608443	-43,55570601
LD	20	1	-14,33276234	-43,53518917
VM	125	1	-14,41157352	-43,54890489
VM	125	1	-14,40608842	-43,55321661
VM	125	1	-14,41500056	-43,55695975
VM	125	1	-14,41218715	-43,55319362
VM	125	1	-14,41110098	-43,54790933
VM	125	1	-14,41370383	-43,55347306
VM	125	1	-14,40951275	-43,54792629
VM	125	1	-14,41229295	-43,54946628
LD	150	1	-14,40104815	-43,55037091
PL	25	1	-14,33194794	-43,54786574
VM	125	1	-14,34579099	-43,58825249
PL	40	1	-14,34762843	-43,58786678
ME	70	1	-14,34481696	-43,58793042
ME	70	1	-14,34875444	-43,58844024
VS	70	1	-14,42115565	-43,50304505
ME	70	1	-14,41951402	-43,4998244
ME	250	1	-14,41166131	-43,54782556
VS	250	1	-14,41166131	-43,54782556
VM	125	1	-14,37447194	-43,5117252
VM	125	1	-14,42544078	-43,5578709
VS	250	1	-14,34946505	-43,57520258
VS	250	1	-14,41040193	-43,48711681
VS	250	2	-14,41120059	-43,54515923

VM	125	1	-14,59564218	-43,57770694
VS	70	1	-14,43351797	-43,55672476
VS	250	1	-14,34925596	-43,57464671
ME	250	2	-14,41171286	-43,55046978
VM	125	1	-14,5557426	-43,56231484
VS	250	2	-14,41107568	-43,5440087
VM	125	1	-14,41960559	-43,5352743
VM	125	1	-14,41376589	-43,49031186
VM	125	1	-14,55155175	-43,56896078
VS	250	2	-14,4116168	-43,55169205
VM	125	1	-14,55880087	-43,57079509
VM	125	1	-14,42936891	-43,55353816
VS	70	1	-14,4332364	-43,55626148
ME	400	1	-14,3363033	-43,54022722
VM	125	1	-14,55392252	-43,56557487
LD	200	1	-14,43666998	-43,53442501
MT	160	1	-14,5329019	-43,57481916
VM	125	1	-14,59708151	-43,57633464
VM	125	1	-14,4411271	-43,53573596
ME	70	1	-14,41442391	-43,53967466
ME	400	1	-14,33157278	-43,53727364
VM	125	1	-14,40536115	-43,55360385
VS	70	1	-14,43274766	-43,55640046
VS	250	1	-14,34973452	-43,57604341
ME	70	1	-14,41466655	-43,53994777
ME	70	1	-14,42013037	-43,50255962
VM	125	1	-14,60121488	-43,57789339
VM	125	1	-14,55215049	-43,56811918
ME	250	1	-14,41172177	-43,54984071
VS	250	1	-14,41172177	-43,54984071
ME	250	2	-14,41131915	-43,54582702
VM	125	1	-14,41539569	-43,55192193
ME	250	2	-14,4117992	-43,54824634
ME	250	1	-14,41147047	-43,54729017
VS	250	1	-14,41147047	-43,54729017
ME	250	1	-14,41168367	-43,55084155
MT	160	1	-14,39506585	-43,49254734
ME	70	1	-14,42440005	-43,55314797
ME	250	1	-14,41106826	-43,5446886
VS	250	1	-14,41106826	-43,5446886
LD	100	1	-14,43594026	-43,53335581
VS	70	1	-14,39013786	-43,47743272
ME	70	1	-14,4477197	-43,59060201
VM	125	1	-14,41492176	-43,551623
VS	70	1	-14,43190666	-43,55663752
VS	250	1	-14,34892803	-43,57359706
ME	250	1	-14,41174418	-43,54809034
VS	250	1	-14,41174418	-43,54809034
ME	250	1	-14,41123067	-43,54556266
VS	250	1	-14,41123067	-43,54556266
LD	150	1	-14,41002858	-43,55220392
LD	200	1	-14,33574656	-43,53978677
ME	400	1	-14,33574656	-43,53978677
VS	250	1	-14,38779574	-43,67922074
VM	125	1	-14,48873441	-43,63100071
VS	70	1	-14,4891662	-43,62999271
VM	125	1	-14,48848453	-43,63184306
VM	125	1	-14,49037707	-43,6313374
VM	125	1	-14,48926159	-43,62926983
VM	125	1	-14,49175251	-43,63371303
VM	125	1	-14,4899409	-43,63036944
VM	125	1	-14,48930153	-43,62872279

VM	125	2	-14,48954489	-43,63012535
VM	125	1	-14,40874913	-43,53430714
VM	125	1	-14,41169363	-43,53742473
VM	125	1	-14,40897444	-43,53580175
VM	125	1	-14,41226517	-43,53710406
VM	125	1	-14,41155504	-43,53788748
VM	125	1	-14,40998292	-43,5405661
LD	100	1	-14,41023047	-43,52071008
VM	125	1	-14,40717327	-43,52546319
VM	125	1	-14,41020677	-43,54089221
VM	125	1	-14,41091476	-43,53766052
VM	125	1	-14,40935095	-43,52615971
LD	30	2	-14,40946084	-43,52063364
LD	100	1	-14,40990123	-43,52095565
MT	160	1	-14,40997213	-43,52551124
VM	125	1	-14,41105455	-43,53701231
VM	125	1	-14,41309574	-43,53725814
VM	125	1	-14,4111251	-43,53867281
VM	125	1	-14,41304979	-43,52125919
VM	125	1	-14,4100297	-43,52227257
VM	125	1	-14,4135376	-43,53741882
VM	125	1	-14,40932067	-43,53537753
VM	125	1	-14,40918792	-43,53494076
VM	125	1	-14,41068808	-43,51568804
MT	160	1	-14,40941393	-43,52743714
VM	125	1	-14,41101635	-43,53732736
VM	125	1	-14,40936363	-43,53572095
VM	125	1	-14,41137066	-43,53705157
VM	125	1	-14,40880608	-43,53220035
VM	125	1	-14,41037584	-43,54130142
VM	125	1	-14,40903746	-43,53444822
VM	125	1	-14,41474094	-43,52160155
VM	125	1	-14,4089415	-43,55023094
ME	250	1	-14,41152159	-43,54747646
VS	250	1	-14,41152159	-43,54747646
ME	250	1	-14,41173363	-43,55012735
VS	250	1	-14,41173363	-43,55012735
VS	250	1	-14,39382241	-43,67005235
VM	125	1	-14,55925661	-43,57102224
LD	150	1	-14,40171922	-43,55038046
LD	150	1	-14,40175866	-43,55051316
LD	150	1	-14,40342698	-43,55072999
LD	150	1	-14,40573641	-43,55133508
VM	125	1	-14,40601622	-43,55004429
VM	125	1	-14,41330433	-43,55512104
VM	125	1	-14,41458809	-43,55508356
VM	125	1	-14,41336841	-43,55224659
VM	125	1	-14,41093912	-43,55054196
VM	125	1	-14,39929368	-43,55087273
VM	125	1	-14,40932697	-43,55241339
VM	125	1	-14,41121701	-43,54398732
ME	400	1	-14,41243447	-43,55269455
VM	125	1	-14,41148636	-43,54564918
VM	125	1	-14,40928421	-43,54653654
VM	125	1	-14,4062301	-43,55050944
VM	125	1	-14,41182258	-43,53705466
ME	70	1	-14,38407885	-43,56500586
VM	125	1	-14,37679668	-43,56959533
VM	125	1	-14,41298807	-43,55235524
VM	125	1	-14,41050298	-43,55395827
VM	125	1	-14,56506389	-43,57681771
VM	125	1	-14,40723841	-43,54847723

VM	125	1	-14,41274297	-43,55113868
VM	125	1	-14,41085114	-43,55155219
VM	125	1	-14,37100179	-43,65185503
VM	125	1	-14,4123825	-43,55235106
VM	125	1	-14,39729425	-43,54546137
LD	30	1	-14,39174664	-43,53912193
VM	125	1	-14,41518643	-43,55343695
VM	125	1	-14,56629586	-43,57775447
LD	100	1	-14,41406122	-43,55410615
VM	125	1	-14,36357511	-43,46273045
VM	125	1	-14,41071554	-43,54879695
VM	125	1	-14,37647482	-43,62254007
VM	125	1	-14,38298258	-43,62659996
LD	200	1	-14,35894603	-43,55593626
VM	125	1	-14,41084348	-43,55558028
VM	125	1	-14,41580758	-43,55816178
LD	150	1	-14,39940402	-43,54991102
LD	150	1	-14,40282365	-43,55072907
LD	150	1	-14,40378458	-43,55081017
LD	150	1	-14,40802676	-43,55165221
LD	150	1	-14,40861393	-43,55191278
LD	150	1	-14,40961776	-43,55212253
VM	125	1	-14,40654199	-43,55262485
VM	80	1	-14,41481655	-43,54366895
VM	125	1	-14,41091654	-43,55122807
VM	125	1	-14,41453221	-43,55533357
VM	125	1	-14,41493059	-43,55247997
VM	125	1	-14,41029637	-43,54931339
VM	125	1	-14,40963124	-43,54597954
VM	125	1	-14,4082924	-43,54752829
VM	125	1	-14,4078319	-43,55276574
VM	125	1	-14,39981858	-43,55184829
VM	125	1	-14,40894262	-43,54639972
VM	125	1	-14,57896508	-43,58752423
VM	125	1	-14,41482955	-43,55739898
ME	250	1	-14,41286163	-43,55509015
VM	125	1	-14,4131363	-43,55318164
VM	125	1	-14,41548811	-43,5529197
VM	125	1	-14,41119416	-43,54610159
LD	30	1	-14,36982329	-43,65893187
VM	80	1	-14,41654737	-43,54299458
VM	80	1	-14,41428978	-43,54405483
VM	80	1	-14,41464356	-43,54108961
VM	80	1	-14,4142705	-43,54146728
LD	100	1	-14,33149284	-43,53441109
VM	125	1	-14,39471035	-43,46892749
VM	125	1	-14,33378916	-43,53575237
VS	400	1	-14,37014816	-43,65122506
VM	125	1	-14,33825626	-43,57405522
LD	100	11	-14,41582415	-43,55542599
LD	150	1	-14,41582415	-43,55542599
VM	125	1	-14,40677268	-43,5536675
VM	125	1	-14,41005616	-43,54872749
VM	125	1	-14,55190167	-43,56905011
VM	125	1	-14,41383922	-43,55350182
VM	125	1	-14,56592693	-43,57751056
VM	125	1	-14,41119725	-43,54562865
VM	125	1	-14,41053593	-43,54170129
ME	70	1	-14,3522179	-43,58860084
VM	125	1	-14,41284841	-43,55297562
VM	125	1	-14,40540015	-43,5502626
ME	70	1	-14,46574269	-43,50572819

VM	125	1	-14,40869647	-43,55207517
VM	125	1	-14,41315466	-43,55176287
VM	125	1	-14,41583939	-43,55310761
LD	150	1	-14,40483025	-43,55102104
LD	150	1	-14,39958367	-43,55006786
LD	150	1	-14,40046739	-43,55012524
LD	150	1	-14,401173	-43,55027079
LD	150	1	-14,40210741	-43,55046762
LD	150	1	-14,40516449	-43,55121698
LD	150	1	-14,40688995	-43,55156822
VM	125	1	-14,41493045	-43,55525286
VM	125	1	-14,41363693	-43,55743308
VM	125	1	-14,41087613	-43,55187695
VM	125	1	-14,37382807	-43,62667861
VM	125	1	-14,55373865	-43,56872901
LD	150	1	-14,40967727	-43,55199228
LD	150	1	-14,40863253	-43,55177723
LD	150	1	-14,4103236	-43,55212185
VM	125	1	-14,40956506	-43,55458656
VM	125	1	-14,41548203	-43,55769063
VM	125	1	-14,41031342	-43,54735805
LD	100	1	-14,43306072	-43,53129761
VM	125	1	-14,43306072	-43,53129761
ME	70	1	-14,5631779	-43,57200527
VM	125	1	-14,41137914	-43,5544909
ME	400	1	-14,41197861	-43,55466671
VM	125	1	-14,40780359	-43,55331834
ME	250	1	-14,40985272	-43,55163358
VM	125	1	-14,40642453	-43,54980599
VM	125	1	-14,3724598	-43,56013154
PL	45	1	-14,36067184	-43,5090699
VM	125	2	-14,4069095	-43,55028229
VM	125	1	-14,415699	-43,55383928
VM	125	1	-14,4078138	-43,55363492
VM	125	1	-14,48906299	-43,63053928
VM	125	1	-14,41084098	-43,54481938
LD	100	1	-14,41533455	-43,55702698
VM	125	1	-14,38103706	-43,6198027
LD	30	1	-14,36945079	-43,65845812
VM	125	1	-14,41033887	-43,55110352
VM	125	1	-14,40928476	-43,54711541
VM	125	1	-14,41546273	-43,55465032
VM	125	1	-14,55729135	-43,57807095
VM	125	1	-14,39703989	-43,64608858
VM	125	1	-14,37221062	-43,65063187
VS	250	1	-14,34475997	-43,57657056
VM	80	1	-14,41510996	-43,54025815
VM	125	1	-14,56418253	-43,57616184
VM	125	1	-14,410388	-43,53665534
VM	125	1	-14,41006695	-43,55575936
VM	125	1	-14,41549165	-43,55433493
VM	125	1	-14,41430664	-43,55252202
VM	125	1	-14,40731661	-43,54810145
VS	70	1	-14,40933315	-43,54594966
LD	200	1	-14,35970445	-43,55556785
LD	150	1	-14,40897317	-43,55198973
VM	125	1	-14,40835348	-43,54862301
LD	100	1	-14,41391228	-43,55476357
VM	125	1	-14,58610282	-43,54804245
VM	125	1	-14,40788373	-43,54782223
VM	125	1	-14,40847726	-43,54680659
VM	125	1	-14,41471658	-43,55478769

VM	125	1	-14,37884773	-43,65691366
VM	125	1	-14,40845273	-43,54789107
VM	125	1	-14,4086127	-43,54626242
LD	200	1	-14,37704582	-43,56103734
VM	125	1	-14,41438245	-43,55219592
VM	125	1	-14,54508128	-43,53295183
VM	125	1	-14,40744684	-43,55326181
VM	125	1	-14,39988158	-43,55113273
VM	125	2	-14,41664376	-43,55438529
VS	70	1	-14,38542807	-43,49849486
VM	125	1	-14,40774831	-43,55055702
MV	400	1	-14,41240127	-43,5536217
VM	125	1	-14,41502137	-43,55379749
VM	125	1	-14,36996146	-43,65854932
VM	125	1	-14,36814888	-43,65514953
VM	125	1	-14,40898775	-43,54762582
VM	125	1	-14,41020052	-43,55651868
PL	45	1	-14,33251584	-43,53556759
VM	125	1	-14,41607201	-43,5567549
MT	160	1	-14,40633404	-43,55115921
VM	125	1	-14,40636389	-43,55322251
PL	45	1	-14,36729326	-43,57065439
VM	125	1	-14,57928862	-43,58779568
VM	125	1	-14,40574549	-43,5499775
ME	400	1	-14,41349321	-43,55388892
VM	125	1	-14,4113852	-43,55556215
VM	125	1	-14,40783913	-43,55229738
VM	125	1	-14,40999544	-43,55247365
VM	125	1	-14,40893076	-43,5508063
VM	125	1	-14,41229478	-43,55469672
VM	125	1	-14,41327287	-43,54889807
VM	125	1	-14,41280833	-43,55632319
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PL	40	1	-14,34490363	-43,58836482
VM	125	1	-14,40900849	-43,5485997
VM	125	1	-14,41007358	-43,53635643
VM	125	1	-14,40794889	-43,55061071
ME	70	1	-14,36502569	-43,46333662
VM	125	2	-14,40889512	-43,54796831
VM	125	1	-14,56772069	-43,57823788
VM	125	1	-14,4118516	-43,5519857
VM	125	1	-14,41046008	-43,55053865
VM	125	1	-14,41386784	-43,55189764
LD	150	1	-14,40140107	-43,55043288
LD	150	1	-14,40388688	-43,55094998
LD	150	1	-14,40453627	-43,55106862
VM	125	1	-14,56665564	-43,57801687
VM	125	1	-14,38484099	-43,61571981
VM	125	1	-14,39930925	-43,55077148
VM	125	1	-14,39850255	-43,55194213
ME	400	1	-14,41142664	-43,55338311
VM	125	1	-14,40911968	-43,55135624
VM	80	1	-14,40981728	-43,54977414
VM	125	1	-14,41322457	-43,55487936
VM	125	1	-14,41274643	-43,55336442
VM	125	1	-14,4140741	-43,55352199
VM	125	1	-14,39922543	-43,55041815
LD	30	1	-14,36902445	-43,65884569
LD	150	1	-14,41057291	-43,55217365
VM	125	1	-14,41014546	-43,55386788
VM	125	1	-14,41316384	-43,55036258
VM	125	1	-14,40935171	-43,54863916

VM	125	1	-14,41320766	-43,55607557
VM	125	1	-14,41343331	-43,55475098
VM	125	1	-14,41477551	-43,55544654
VM	125	1	-14,41246835	-43,55166539
VM	125	1	-14,411698	-43,54645746
ME	70	1	-14,35010896	-43,58592804
VM	125	1	-14,41701179	-43,60111141
VM	125	1	-14,41412904	-43,55203855
VM	125	1	-14,41589049	-43,55220839
LD	100	1	-14,41602088	-43,55699827
VM	125	1	-14,41106276	-43,54822438
VM	125	1	-14,41065481	-43,54978883
VM	125	1	-14,58086133	-43,5891248
LD	200	1	-14,39156964	-43,54884205
VM	125	1	-14,41051481	-43,54493769
VM	125	1	-14,41531694	-43,54039868
VM	125	1	-14,41373329	-43,55586592
VM	125	1	-14,40983657	-43,54637045
VM	125	1	-14,4123578	-43,54922561
VM	125	1	-14,41561774	-43,55657453
VM	125	1	-14,41098264	-43,55543444
VM	125	1	-14,39948976	-43,55173742
VM	125	1	-14,44486396	-43,63952657
LD	150	1	-14,39904952	-43,54984069
LD	150	1	-14,40081864	-43,55019388
LD	150	1	-14,40317642	-43,55079938
LD	150	1	-14,40933116	-43,55206407
VM	125	1	-14,41024428	-43,54760666
VM	125	1	-14,38715031	-43,63584275
VS	70	1	-14,40832708	-43,55114785
VM	125	1	-14,40691823	-43,54664348
VM	125	1	-14,40995661	-43,55288143
VM	125	1	-14,41422249	-43,55294804
VM	125	1	-14,41060293	-43,55356288
VS	70	1	-14,41573631	-43,60169147
VM	125	1	-14,41401208	-43,5560268
LD	150	1	-14,40779985	-43,55158805
VM	125	1	-14,40801487	-43,54850011
VS	400	1	-14,36832683	-43,54594048
VM	125	1	-14,41569609	-43,55565695
VM	125	1	-14,36631364	-43,62347995
VM	125	1	-14,41302194	-43,55132608
LD	150	1	-14,40896772	-43,55184243
VM	125	1	-14,41574406	-43,55893997
VM	125	1	-14,40919506	-43,55448282
VM	125	1	-14,41290871	-43,55480298
VM	125	1	-14,40802855	-43,54685256
VM	125	1	-14,40975928	-43,53603897
ME	400	1	-14,41142349	-43,55523784
VM	125	1	-14,41341902	-43,55554843
VS	70	1	-14,40908193	-43,54726786
VM	125	1	-14,40031518	-43,62989322
VM	125	1	-14,41078487	-43,55403228
ME	400	1	-14,41143714	-43,55316061
VM	125	1	-14,41065077	-43,55178265
VM	125	1	-14,39012346	-43,65470021
VM	125	1	-14,40930055	-43,55092941
VM	125	1	-14,34548515	-43,60494479
VM	125	1	-14,34848891	-43,60542072
VM	125	1	-14,41641532	-43,55235391
VM	125	1	-14,41479106	-43,55826137
VM	125	1	-14,40849722	-43,55075694

VM	125	1	-14,40723559	-43,55261648
ME	70	1	-14,40571158	-43,53474357
VM	125	1	-14,41561197	-43,55270921
VM	125	1	-14,40776513	-43,54937011
VM	80	1	-14,40615623	-43,54936828
VM	125	1	-14,41001385	-43,55104563
VM	125	1	-14,41134155	-43,54982139
VM	125	1	-14,41028894	-43,55581487
VM	125	1	-14,39908015	-43,55210395
LD	150	1	-14,40741934	-43,55155685
VM	125	1	-14,4169625	-43,55825317
VM	125	1	-14,41298556	-43,55665476
VM	125	1	-14,41025482	-43,54875668
VM	125	1	-14,38333538	-43,63313911
VM	125	2	-14,41063224	-43,55322923
VM	125	1	-14,41510035	-43,55553226
VM	125	1	-14,56549547	-43,57715485
VM	125	1	-14,40765772	-43,54679204
VS	70	1	-14,3918647	-43,46948847
VM	125	1	-14,4067234	-43,55322963
VM	125	1	-14,39900415	-43,55070928
VM	125	1	-14,39960972	-43,55082391
VM	125	1	-14,39915999	-43,55167357
VM	125	1	-14,41043249	-43,55432845
VM	125	1	-14,41020975	-43,54579489
VM	125	1	-14,41348758	-43,55061521
ME	400	1	-14,41147713	-43,55257664
LD	150	1	-14,40778151	-43,55166934
LD	150	1	-14,40749576	-43,55168823
VM	125	1	-14,40014467	-43,55064074
VM	125	1	-14,41042186	-43,5508537
LD	150	1	-14,39873378	-43,55004902
LD	100	1	-14,41464793	-43,55423078
VM	125	1	-14,41121205	-43,54889312
VM	125	1	-14,41099733	-43,55406639
LD	150	1	-14,40830227	-43,5517054
LD	150	1	-14,40640277	-43,55131817
VM	125	1	-14,38078896	-43,5597774
VM	125	1	-14,408464	-43,55306585
LD	100	1	-14,41563233	-43,55710324
VM	125	1	-14,41195914	-43,55487987
VM	125	1	-14,41510595	-43,554006
LD	150	1	-14,41116262	-43,55229625
VS	250	2	-14,36067727	-43,69281744
VS	400	1	-14,36067727	-43,69281744
VM	125	1	-14,41055204	-43,55029817
VM	125	1	-14,40867461	-43,54989571
VM	125	1	-14,39714321	-43,54710855
VM	125	1	-14,41295032	-43,54984177
VM	125	1	-14,4112986	-43,54947796
VM	125	1	-14,56746488	-43,57864439
VM	125	1	-14,40776121	-43,54724772
VS	250	1	-14,60187937	-43,53832327
PL	45	1	-14,44639272	-43,54182864
VM	125	1	-14,41536892	-43,55455109
VM	125	1	-14,39987328	-43,55052268
VM	125	1	-14,41287361	-43,55189076
VM	125	1	-14,41101985	-43,55338956
VM	125	1	-14,41441974	-43,55859107
VM	125	1	-14,41497845	-43,55619914
VM	125	1	-14,57966595	-43,58813249
VM	125	1	-14,40751348	-43,54892964

VM	125	1	-14,41563884	-43,55336589
PL	40	1	-14,36944686	-43,65890443
LD	150	1	-14,40706495	-43,55145685
LD	150	1	-14,40236689	-43,55051244
LD	150	1	-14,40423811	-43,55102186
LD	150	1	-14,40582817	-43,55136057
LD	150	1	-14,40629705	-43,55145154
LD	150	1	-14,4102883	-43,55225413
LD	150	1	-14,41054339	-43,55230588
LD	20	1	-14,33229322	-43,53504692
VS	70	1	-14,40621588	-43,534949
VM	125	1	-14,4140166	-43,55676744
VM	125	1	-14,41234077	-43,54885788
VM	125	1	-14,40716623	-43,54884397
VM	125	1	-14,41124776	-43,54343111
VM	125	1	-14,40872842	-43,54857922
VS	400	1	-14,41105284	-43,55484855
ME	400	4	-14,40916036	-43,55309107
VM	125	1	-14,40916036	-43,55309107
VS	400	1	-14,40916036	-43,55309107
VM	125	1	-14,41258516	-43,55452253
VM	125	1	-14,41652034	-43,55759119
VS	250	1	-14,27238872	-43,51838495
VM	125	1	-14,41226583	-43,55497473
VS	400	1	-14,36972458	-43,65095771
LD	100	1	-14,41595907	-43,55726966
LD	200	1	-14,3916344	-43,5483655
LD	50	1	-14,27808304	-43,50132273
VM	125	1	-14,40816335	-43,55067117
VM	125	1	-14,40978499	-43,5501074
VM	125	1	-14,41126119	-43,54690887
VM	125	1	-14,40974665	-43,55044099
VM	125	1	-14,41038384	-43,54975913
VM	125	1	-14,4160127	-43,55286769
PL	85	1	-14,36957933	-43,57005727
VM	125	1	-14,41441764	-43,55890878
MT	160	2	-14,39470453	-43,4915476
VM	125	1	-14,3899972	-43,54559794
VM	125	1	-14,36402892	-43,46331086
VM	125	1	-14,41065451	-43,55586405
VS	400	1	-14,41218061	-43,55281335
VM	125	1	-14,41604728	-43,55400269
MT	160	1	-14,47810214	-43,55974236
LD	150	1	-14,40029906	-43,5502118
LD	150	1	-14,41081423	-43,55235634
VM	125	1	-14,40543419	-43,54920565
VM	125	1	-14,38332536	-43,63139214
VM	125	1	-14,41439881	-43,55362625
VM	125	1	-14,41350146	-43,55125521
VM	125	2	-14,41020814	-43,5517425
VM	125	1	-14,41282836	-43,55602657
VM	125	1	-14,40714836	-43,5492401
MV	400	1	-14,41182378	-43,55346932
VM	125	1	-14,41033193	-43,5466428
VM	125	1	-14,38189592	-43,63928774
VM	125	1	-14,41138797	-43,54825444
VM	125	1	-14,40708794	-43,55324365
VM	400	1	-14,35801609	-43,66319623
LD	100	1	-14,41445397	-43,55486006
VM	125	1	-14,4140504	-43,55826355
PL	25	2	-14,43342196	-43,52943511
VM	125	1	-14,41285034	-43,5554332

LD	100	1	-14,4136567	-43,55514203
LD	30	8	-14,4136567	-43,55514203
VM	125	1	-14,41093263	-43,55015242
VS	250	1	-14,38827202	-43,67923867
VM	125	1	-14,41513853	-43,55754431
VM	125	1	-14,41307917	-43,54949026
VM	125	1	-14,41000035	-43,54896822
VM	125	1	-14,41358886	-43,55171023
LD	150	1	-14,40211152	-43,55058514
VM	125	1	-14,408372	-43,54685548
VM	125	1	-14,41503205	-43,55354717
ME	400	1	-14,41294254	-43,5537831
VM	125	1	-14,33883871	-43,57413725
VM	125	1	-14,41433264	-43,55681601
VM	125	1	-14,41496202	-43,54076721
VM	125	1	-14,35152524	-43,61512366
VM	125	1	-14,41721661	-43,55213419
VS	70	1	-14,4066975	-43,53519526
ME	70	1	-14,43859574	-43,58936683
VM	125	1	-14,41310864	-43,55051058
VM	125	1	-14,48562807	-43,56399129
VM	125	1	-14,41582821	-43,55781647
VM	125	1	-14,41104985	-43,54743602
VM	125	1	-14,40949532	-43,5515521
VM	125	1	-14,41140345	-43,55416194
VM	125	1	-14,41634632	-43,55431302
VM	125	1	-14,38035191	-43,53441861
VM	125	1	-14,40690593	-43,55261856
VM	125	1	-14,40891921	-43,54705038
VM	125	2	-14,40846054	-43,54945837
MT	160	1	-14,34046265	-43,5671611
VM	125	1	-14,41554042	-43,55596191
VM	125	1	-14,41070141	-43,54819406
VM	125	1	-14,41043438	-43,54617982
VM	125	1	-14,41332791	-43,55153222
VM	125	1	-14,41050408	-43,55555141
LD	150	1	-14,4067105	-43,55137993
HL	500	1	-14,40518319	-43,5510665
LD	150	1	-14,40518319	-43,5510665
ME	400	1	-14,40518319	-43,5510665
LD	150	1	-14,39994457	-43,55013981
LD	150	1	-14,40307899	-43,55066137
VM	125	1	-14,41824002	-43,63443357
LD	40	1	-14,42433589	-43,57200645
VM	125	1	-14,41467555	-43,55690185
VM	125	1	-14,40775113	-43,55185071
VM	125	1	-14,41031171	-43,54420366
VM	125	1	-14,40972538	-43,546787
VM	125	1	-14,38038163	-43,5620607
VM	125	1	-14,5670242	-43,57831645
VM	125	1	-14,40871098	-43,55124065
VM	125	1	-14,41365688	-43,55098734
VM	80	1	-14,41002249	-43,54972882
VM	125	1	-14,40829281	-43,55022693
VM	125	1	-14,40965884	-43,5486691
LD	30	2	-14,43336182	-43,53132425
PL	25	1	-14,43336182	-43,53132425
ME	400	1	-14,41201654	-43,55439803
VM	125	1	-14,41163095	-43,55530419
VM	125	1	-14,41193844	-43,5552785
VM	125	1	-14,41186502	-43,55131808
VM	125	1	-14,41526646	-43,55638661

VM	125	1	-14,39516557	-43,54458071
VM	125	1	-14,40765813	-43,54776503
LD	30	1	-14,37033094	-43,65888637
VM	125	1	-14,39889718	-43,55034318
VM	125	2	-14,40976821	-43,55376724
PL	45	1	-14,36705379	-43,57117834
VM	125	1	-14,41622615	-43,55261367
LD	100	1	-14,41415626	-43,55477453
VM	125	1	-14,40912078	-43,54801624
VM	125	1	-14,41062478	-43,55298806
PL	45	1	-14,4725097	-43,55589958
VM	125	1	-14,4165152	-43,55229961
VM	125	1	-14,41502015	-43,55892512
VM	125	1	-14,41612199	-43,55549297
VM	125	1	-14,41225048	-43,55679915
VM	125	1	-14,34988167	-43,61388626
VM	125	1	-14,40939933	-43,54826855
LD	100	1	-14,41390905	-43,55525506
VM	125	1	-14,39981542	-43,63007988
VM	125	1	-14,41012336	-43,54837629
VM	125	1	-14,41252764	-43,55502291
VM	125	1	-14,41290447	-43,5526978
LD	30	1	-14,52257076	-43,53100498
VM	125	1	-14,41533987	-43,55622019
MT	160	1	-14,50026864	-43,54941712
LD	150	1	-14,39896436	-43,5500354
LD	150	1	-14,40271805	-43,55059434
LD	150	1	-14,40658869	-43,55151318
VM	125	1	-14,41422205	-43,55660231
VM	125	1	-14,414735	-43,55335963
VM	125	1	-14,40795003	-43,54874078
VM	125	1	-14,41545942	-43,55828243
ME	70	1	-14,38414624	-43,56557316
VM	125	1	-14,40855203	-43,54654244
LD	200	1	-14,37702851	-43,56039938
VM	125	1	-14,41579281	-43,55830468
VM	125	1	-14,40923069	-43,5491762
VM	125	1	-14,40994442	-43,5492275
VM	125	1	-14,41648258	-43,55675182
VM	125	1	-14,41260492	-43,55289048
VM	125	1	-14,40994746	-43,54600026
VM	125	1	-14,41106624	-43,55183189
LD	150	1	-14,40557467	-43,55114859
VM	125	1	-14,41100943	-43,54946669
VM	125	1	-14,41475581	-43,55891846
VM	125	1	-14,40963473	-43,55096882
VM	125	1	-14,41094572	-43,55091296
VM	125	1	-14,41506572	-43,55667271
VM	125	1	-14,41399596	-43,5571568
VM	125	1	-14,37536869	-43,56693842
VM	125	1	-14,41370018	-43,55402946
VM	125	1	-14,41470551	-43,55372111
VM	125	1	-14,40780705	-43,55404421
VM	125	1	-14,40710567	-43,54958905
VM	125	1	-14,4075823	-43,55261888
VM	125	1	-14,41027837	-43,55554001
VM	125	1	-14,41284869	-43,55568358
VM	125	1	-14,41030981	-43,55140007
VM	125	1	-14,40879797	-43,5482427
VM	125	1	-14,40714258	-43,55367692
VM	125	1	-14,41238058	-43,55126601
PL	45	1	-14,36657455	-43,57142422

VM	125	1	-14,41682124	-43,55230173
VM	125	1	-14,55854229	-43,57065843
LD	150	1	-14,4109281	-43,55222044
VM	125	1	-14,41106131	-43,5467197
VM	125	1	-14,40859209	-43,5469821
LD	150	1	-14,40015974	-43,55005032
LD	150	1	-14,41121685	-43,55244751
VM	125	1	-14,40861281	-43,55242699
VM	125	1	-14,40782265	-43,55292184
VM	125	1	-14,39961643	-43,55107035
VM	125	2	-14,40855688	-43,55268627
ME	70	1	-14,38614733	-43,49779074
VM	125	1	-14,41135134	-43,55488308
ME	400	1	-14,41135134	-43,55488308
VM	125	1	-14,35625697	-43,51821648
VS	400	1	-14,41181919	-43,5527923
LD	20	6	-14,41181919	-43,5527923
VM	125	1	-14,4096734	-43,54720414
VM	125	1	-14,40953642	-43,54803765
LD	100	1	-14,41394703	-43,55497711
VM	125	1	-14,41464632	-43,55309935
VM	125	1	-14,41385226	-43,55564417
ME	400	1	-14,41145309	-43,5534853
VM	125	1	-14,40986132	-43,54811408
VM	125	1	-14,40900402	-43,53542173
VM	125	1	-14,41407473	-43,5589064
PL	30	1	-14,40135013	-43,62843068
VM	125	1	-14,38977423	-43,61243436
VM	125	1	-14,37561888	-43,5610075
VM	125	1	-14,41031956	-43,55321918
VM	125	1	-14,34953197	-43,58936865
VM	125	1	-14,41095302	-43,54980016
VM	125	1	-14,41260851	-43,53712496
VM	125	2	-14,52369203	-43,52452784
VM	125	1	-14,41473648	-43,55450961
ME	400	1	-14,36705059	-43,57026912
VS	250	1	-14,36705059	-43,57026912
VS	70	1	-14,411502	-43,55291994
VM	80	1	-14,41564286	-43,54309038
VM	125	1	-14,3509028	-43,611459
VM	125	1	-14,37230328	-43,56563929
LD	150	4	-14,34301021	-43,54713308
VM	125	1	-14,40939805	-43,55367389
VM	125	1	-14,41693776	-43,55789131
VM	125	1	-14,4075035	-43,55367655
VM	125	1	-14,4126701	-43,55397596
VM	125	1	-14,41451271	-43,55184988
VM	125	1	-14,41748892	-43,5520566
VM	125	1	-14,40691219	-43,54706966
VM	125	1	-14,40899059	-43,54995354
PL	45	1	-14,4494302	-43,54383551
VM	125	1	-14,4137805	-43,55556021
VM	125	1	-14,41018208	-43,55020288
VM	125	2	-14,41427895	-43,55123276
VS	250	1	-14,41399806	-43,55271464
VM	125	2	-14,40995274	-43,55312697
VS	400	1	-14,43174758	-43,54358258
VM	125	1	-14,41255262	-43,55534767
VM	125	1	-14,41301744	-43,55201232
VM	125	1	-14,41542695	-43,55534905
LD	200	1	-14,35921907	-43,55542923
PL	45	1	-14,36874522	-43,65882453

VM	125	1	-14,41222531	-43,55013353
VM	125	1	-14,41069753	-43,54668668
VM	125	1	-14,4104938	-43,53794085
LD	150	1	-14,41010128	-43,5521026
LD	150	1	-14,40443876	-43,55092727
LD	150	1	-14,40479239	-43,55113002
LD	150	1	-14,4087283	-43,55193508
VM	125	1	-14,39943331	-43,55213013
ME	70	1	-14,39268127	-43,47086291
VM	125	1	-14,41376383	-43,55671932
VM	125	1	-14,40984316	-43,54945169
VM	125	1	-14,40635919	-43,55012084
VM	125	1	-14,41487281	-43,55428668
VM	125	1	-14,41437651	-43,55289346
VM	125	1	-14,41257454	-43,55476357
VM	125	1	-14,41375333	-43,55888951
LD	100	1	-14,41372217	-43,55480862
VM	125	1	-14,41204584	-43,55406438
ME	70	1	-14,3966039	-43,6250395
ME	250	1	-14,37499762	-43,56785843
VM	125	1	-14,4112368	-43,54649138
VM	125	1	-14,41520846	-43,554487
VM	125	1	-14,41342474	-43,5533042
VM	125	1	-14,41279358	-43,55664109
LD	200	2	-14,39170348	-43,54790668
VM	125	1	-14,39552097	-43,54624212
VM	125	1	-14,40859849	-43,54909765
VM	125	1	-14,40765442	-43,54971247
VM	125	1	-14,41240105	-43,54857071
MT	160	1	-14,37526537	-43,56933124
VM	125	1	-14,41524517	-43,55275109
VM	125	1	-14,41607252	-43,55612845
LD	150	1	-14,40099579	-43,55023646
LD	150	1	-14,40148555	-43,55034083
LD	150	1	-14,40543031	-43,55127343
LD	150	1	-14,40716868	-43,5516281
VM	125	1	-14,40786692	-43,54900914
VM	125	1	-14,40404499	-43,6327677
ME	70	1	-14,3766405	-43,63621139
ME	250	1	-14,38702251	-43,6355018
VM	125	1	-14,41293508	-43,5507876
VM	125	1	-14,41571675	-43,55251323
VM	125	1	-14,38259084	-43,64060037
VM	80	1	-14,40598784	-43,54885707
VM	125	1	-14,41310549	-43,55511966
VM	125	1	-14,40730072	-43,54671716
VM	125	1	-14,39973341	-43,55223847
VS	70	1	-14,49018164	-43,63084431
VM	125	1	-14,4088783	-43,550537
VM	125	1	-14,40999637	-43,54727045
VM	125	1	-14,55456519	-43,56947722
VM	125	1	-14,41542943	-43,55359629
VM	125	1	-14,40767915	-43,54766132
LD	150	1	-14,40939899	-43,55193453
VM	125	1	-14,41025883	-43,54814464
ME	400	1	-14,41154424	-43,55199285
VM	125	1	-14,52565067	-43,52421669
PL	45	1	-14,44851276	-43,54252359
VM	125	1	-14,41487986	-43,55332354
VM	125	1	-14,4124097	-43,55096017
VM	125	1	-14,41093291	-43,55571138
VM	125	1	-14,40956059	-43,55124652

VM	125	1	-14,40704414	-43,5499439
VM	125	1	-14,39179678	-43,54887051
VM	125	1	-14,56171152	-43,57419422
VM	125	1	-14,40547477	-43,54991072
VM	125	1	-14,41142415	-43,55376331
ME	400	1	-14,41317717	-43,55384037
VM	125	1	-14,40799776	-43,54973339
VM	125	1	-14,37205113	-43,62734475
VM	125	1	-14,40612316	-43,55363899
VM	125	2	-14,40921559	-43,55285775
LD	200	1	-14,38051652	-43,56209753
PL	45	1	-14,40481659	-43,5340961
VM	125	1	-14,41429157	-43,55624473
VM	125	1	-14,40652608	-43,54948212
VM	125	1	-14,41362471	-43,55725624
LD	100	1	-14,41435931	-43,55413604
VM	125	1	-14,4000533	-43,55087334
VM	125	1	-14,41144356	-43,5383504
ME	400	1	-14,41150632	-43,55226153
VM	125	1	-14,41087413	-43,55592195
VM	125	1	-14,39888131	-43,55157901
VM	125	1	-14,39880732	-43,55200071
VM	125	1	-14,41120585	-43,54431183
VM	125	1	-14,41534582	-43,55377572
VM	125	1	-14,41432928	-43,55595351
VM	125	1	-14,41075845	-43,54223142
VM	125	1	-14,4083889	-43,54716135
VM	125	1	-14,41587116	-43,55488871
VM	125	1	-14,41337919	-43,55668457
LD	150	1	-14,4024659	-43,55065872
LD	150	1	-14,40353415	-43,55087298
VM	125	1	-14,40879525	-43,55079609
VM	125	1	-14,38307344	-43,63526196
VM	125	1	-14,41562517	-43,55407062
VM	125	1	-14,41537113	-43,55558978
VS	250	1	-14,28264656	-43,55510132
VM	125	1	-14,35107574	-43,57618583
VM	125	1	-14,3987006	-43,55064385
VM	125	1	-14,40614651	-43,55085198
VM	125	1	-14,41224472	-43,54992964
VM	125	1	-14,40571401	-43,54926322
VM	125	1	-14,41071163	-43,5369265
LD	30	1	-14,37079636	-43,65898474
VM	125	1	-14,41283967	-43,55017487
LD	150	1	-14,40596939	-43,55123079
VM	125	1	-14,41538447	-43,55893015
VM	125	1	-14,41516257	-43,55827128
VM	125	1	-14,48684628	-43,5591998
VM	80	1	-14,41505552	-43,5416767
VS	400	1	-14,38887454	-43,61417116
VM	125	1	-14,38275064	-43,55507609
VM	125	1	-14,37327972	-43,5696192
VM	125	1	-14,41099543	-43,54884525
VM	125	1	-14,41279369	-43,55304944
VM	125	1	-14,40968577	-43,55413994
VM	125	1	-14,41218045	-43,55145937
VM	125	1	-14,41379385	-43,55077499
ME	400	1	-14,41269001	-43,55369789
VM	125	1	-14,41102017	-43,5492071
VM	125	1	-14,38294604	-43,63572613
VM	125	2	-14,40740564	-43,5504341
VM	125	1	-14,40641221	-43,55364099

VM	125	1	-14,40941478	-43,5500492
VM	125	1	-14,40616532	-43,55261344
MT	160	1	-14,370193	-43,65524243
ME	70	1	-14,5673222	-43,56494131
VM	125	1	-14,55297757	-43,57064971
VM	125	1	-14,55559881	-43,57169308
VM	125	1	-14,55509622	-43,57116059
VM	125	1	-14,54953287	-43,56832935
VM	125	1	-14,55608838	-43,57343825
VM	125	1	-14,55835094	-43,57776297
VM	125	1	-14,55906554	-43,57499339
VM	125	1	-14,55989505	-43,57395065
VM	125	1	-14,567959	-43,57774773
VM	125	1	-14,45883005	-43,54300341
VS	400	1	-14,55121946	-43,56969485
VM	125	1	-14,55967327	-43,5746729
LD	40	1	-14,55483549	-43,57095459
PL	40	1	-14,47323654	-43,55636113
VM	125	1	-14,55422431	-43,5692804
VM	125	1	-14,4610181	-43,54735663
VM	125	1	-14,56200745	-43,57302176
VM	125	1	-14,55550099	-43,573434
VM	125	1	-14,55525442	-43,57382506
VM	125	1	-14,5539818	-43,57156101
VM	125	1	-14,5581371	-43,57327005
LD	40	1	-14,55538395	-43,57138534
ME	250	1	-14,55616129	-43,57138156
ME	400	3	-14,55968836	-43,57377287
VM	125	1	-14,55968836	-43,57377287
VM	125	1	-14,55674966	-43,57260136
VM	125	1	-14,55760464	-43,57045451
VM	125	1	-14,55592093	-43,57083235
LD	40	1	-14,55591378	-43,57189947
VS	70	1	-14,55430199	-43,57178292
VM	125	1	-14,55463178	-43,57033142
VM	125	1	-14,55879284	-43,57387788
VM	125	1	-14,55938211	-43,57139209
VM	125	1	-14,56055228	-43,57433578
VM	125	1	-14,55987455	-43,57170023
VM	125	1	-14,56217109	-43,57325826
VM	125	1	-14,55960892	-43,57152315
VM	125	1	-14,46413904	-43,54824757
VM	125	1	-14,5571389	-43,57000681
VM	125	1	-14,55375905	-43,56973135
VM	125	1	-14,56034115	-43,5707246
VM	125	1	-14,5524179	-43,568896
VS	400	1	-14,55502746	-43,57063116
VM	125	1	-14,55327331	-43,56867998
VM	125	1	-14,55782887	-43,5720615
VM	125	2	-14,55965083	-43,57263118
VM	125	1	-14,55826726	-43,57244813
VM	125	1	-14,55978585	-43,57406123
VS	400	1	-14,55740302	-43,57221624
VM	125	1	-14,5586941	-43,57147288
ME	400	3	-14,55942214	-43,57438345
VM	125	1	-14,55942214	-43,57438345
VM	125	1	-14,560726	-43,57404006
VM	125	1	-14,54936524	-43,56854039
VM	125	1	-14,55295351	-43,56854716
VM	125	1	-14,56008939	-43,57596575
VM	125	1	-14,5572533	-43,57297612
VM	125	1	-14,55026893	-43,56747146

VM	125	1	-14,5610662	-43,57317944
VM	125	1	-14,55935544	-43,57354779
VM	125	1	-14,55503697	-43,56921144
VM	125	1	-14,559011	-43,57369383
VS	70	1	-14,55542894	-43,57204869
VM	125	1	-14,5625799	-43,57387818
VM	125	1	-14,56110154	-43,57464591
VS	400	1	-14,55494569	-43,57069554
VM	125	1	-14,55732296	-43,57067523
VM	125	1	-14,55755354	-43,57133573
ME	400	1	-14,54957787	-43,56918217
VM	125	1	-14,55588386	-43,57367715
VM	125	1	-14,5548888	-43,5696883
VM	125	1	-14,55639769	-43,56982424
VM	125	1	-14,5646325	-43,57645272
VM	125	1	-14,55756764	-43,57327529
VM	125	1	-14,55623803	-43,5720688
VS	250	1	-14,55715144	-43,57199174
ME	400	1	-14,55827436	-43,57163212
VM	125	1	-14,55827436	-43,57163212
VM	125	1	-14,55542396	-43,56936683
VM	125	1	-14,56076445	-43,57504256
ME	70	1	-14,4691336	-43,5528771
VM	125	1	-14,56056891	-43,57381085
VM	125	1	-14,56163593	-43,57329688
VM	125	1	-14,56238171	-43,57356506
VS	250	1	-14,55880649	-43,57319127
ME	400	1	-14,55762779	-43,57239414
VM	125	1	-14,55695029	-43,57098811
VM	125	1	-14,55992939	-43,57287443
VM	125	1	-14,55622756	-43,57269974
VM	125	1	-14,55712554	-43,57853376
VS	400	1	-14,54904574	-43,56901138
VM	125	1	-14,55971005	-43,57124157
VM	125	1	-14,55924848	-43,57332432
VM	125	1	-14,55229603	-43,56918429
VM	125	1	-14,55280724	-43,56933433
VM	125	1	-14,55716845	-43,57080406
VS	400	1	-14,55012845	-43,56929741
VM	125	1	-14,55002542	-43,56774256
VM	125	1	-14,55737914	-43,57173352
VM	125	1	-14,56836182	-43,5770672
VM	125	1	-14,55291399	-43,5690361
VM	125	1	-14,56019213	-43,57100408
VM	125	1	-14,55396977	-43,56911965
VM	125	1	-14,46049067	-43,54932835
VS	250	1	-14,55651222	-43,57161603
VS	250	1	-14,55550412	-43,57098716
MT	160	1	-14,48925301	-43,54889523
ME	70	1	-14,55774508	-43,57381116
VS	70	1	-14,55460399	-43,57132099
VS	400	1	-14,55251878	-43,57002882
VM	125	1	-14,56014874	-43,57520523
VM	125	1	-14,55416382	-43,56867634
VM	125	1	-14,55907025	-43,57169297
VM	125	1	-14,56002676	-43,57137689
VM	125	1	-14,56180159	-43,57354193
VM	125	1	-14,55531637	-43,5706796
LD	30	1	-14,56040068	-43,57537405
VM	125	1	-14,55773378	-43,57813906
VM	125	1	-14,5562415	-43,5702036
VM	125	1	-14,55874484	-43,57429513

VM	125	1	-14,55568045	-43,573994
ME	400	1	-14,55817699	-43,57271354
VM	125	1	-14,55854338	-43,57333788
VM	125	1	-14,55250106	-43,56865207
VM	125	1	-14,55842421	-43,57358759
ME	70	1	-14,56892234	-43,56420517
VS	250	1	-14,55842738	-43,57311435
VM	125	1	-14,55776866	-43,57295193
VS	400	1	-14,55170715	-43,56975398
VS	70	1	-14,55514842	-43,57180116
VM	125	1	-14,55800624	-43,57794612
VM	125	1	-14,55378607	-43,57097455
VM	125	1	-14,55575773	-43,56955988
VM	125	1	-14,55985799	-43,57042265
VM	125	1	-14,55445026	-43,56885068
VM	125	1	-14,55661131	-43,57031757
VM	125	1	-14,55990632	-43,57630781
VM	125	1	-14,55040019	-43,57056134
VM	125	1	-14,55900021	-43,57260802
VM	125	1	-14,55184545	-43,56934665
VM	125	1	-14,55533219	-43,56966823
ME	70	1	-14,56527674	-43,56740728
VM	125	1	-14,55263227	-43,56927797
VM	125	1	-14,45825913	-43,54237224
VS	400	1	-14,55094371	-43,56951697
VM	125	1	-14,56145114	-43,57345036
VM	125	1	-14,559032	-43,5746034
VS	250	1	-14,55594512	-43,57126867
VM	125	1	-14,55686665	-43,57267643
VM	125	1	-14,55646755	-43,57284546
VM	125	1	-14,55880161	-43,5710888
VM	125	1	-14,55593916	-43,57245522
VM	125	1	-14,55404703	-43,56991898
VM	125	1	-14,55593854	-43,57009363
VM	125	1	-14,55432641	-43,57004159
VM	125	1	-14,55749041	-43,57266228
VM	125	1	-14,56039408	-43,57366651
VM	125	1	-14,5596888	-43,57206399
VM	125	1	-14,48841324	-43,55014179
ME	70	1	-14,55718078	-43,57337045
VM	125	1	-14,56010505	-43,57363662
VM	125	1	-14,55528506	-43,56530914
VM	125	1	-14,55450313	-43,57064602
VM	125	1	-14,56198731	-43,57386758
VM	125	1	-14,56171221	-43,5725437
VM	125	1	-14,5579941	-43,57168219
VM	125	1	-14,55694854	-43,57124793
VM	125	1	-14,41466986	-43,55149754
VM	125	1	-14,55556894	-43,57075563
VM	125	1	-14,56273236	-43,57331522
VM	125	1	-14,56145621	-43,57392107
VM	125	1	-14,55967602	-43,57426461
VM	125	1	-14,55625845	-43,57318816
VM	125	1	-14,55383077	-43,56846983
VM	125	1	-14,55070192	-43,57004382
VM	125	1	-14,55654454	-43,5789101
VS	400	1	-14,55208569	-43,5699144
VM	125	1	-14,55646205	-43,57235805
VM	125	1	-14,56137574	-43,57284756
VM	125	1	-14,55725578	-43,57125938
VS	400	1	-14,55298802	-43,57014349
VM	125	1	-14,55416455	-43,57126536

VS	400	1	-14,55417863	-43,57051381
VM	125	1	-14,54977954	-43,56803099
ME	400	1	-14,55383599	-43,57039075
VM	125	1	-14,55590646	-43,57288195
VM	125	1	-14,55911618	-43,57125992
VM	125	1	-14,55714282	-43,57058116
VM	125	1	-14,55908006	-43,57417687
VS	250	1	-14,55682719	-43,57182241
ME	400	1	-14,55045314	-43,56940178
VM	125	1	-14,56089955	-43,573701
VM	125	1	-14,56022036	-43,57396224
VM	125	1	-14,55623652	-43,57094594
VM	125	1	-14,55715716	-43,57786585
VM	125	1	-14,5582149	-43,57379955
VS	250	1	-14,55535128	-43,57086544
VM	125	1	-14,55842174	-43,57132813
VM	125	1	-14,55363799	-43,56891389
VM	125	1	-14,55561019	-43,56999498
VM	125	1	-14,55839777	-43,57213976
VM	125	1	-14,55934759	-43,57471699
LD	30	1	-14,45857485	-43,54252552
VM	125	1	-14,55333292	-43,57079215
VM	125	1	-14,55571589	-43,57313106
VM	125	1	-14,56027347	-43,57412965
ME	70	1	-14,55571681	-43,5722791
MT	160	1	-14,48931091	-43,54833901
VM	125	1	-14,55687242	-43,57046789
VM	125	1	-14,55794512	-43,57359348
VM	125	1	-14,55847519	-43,5740705
VM	125	1	-14,55742499	-43,57835957
ME	250	1	-14,5580067	-43,5724989
VM	125	1	-14,55946777	-43,57297324
VS	70	1	-14,5548559	-43,57156339
VM	125	1	-14,55877195	-43,57294975
VM	125	1	-14,55315381	-43,56968068
VM	125	1	-14,55941335	-43,57189658
VM	125	1	-14,56010387	-43,57057909
VM	125	1	-14,55855781	-43,5717672
VM	125	1	-14,56818008	-43,57741215
VM	125	1	-14,55040258	-43,56885393
VS	70	1	-14,55699779	-43,57368792
VS	400	1	-14,55461208	-43,57057255
VM	125	1	-14,55680771	-43,57875421
VS	250	1	-14,55904958	-43,57333219
LD	30	2	-14,56004614	-43,57433219
LD	40	7	-14,56004614	-43,57433219
PL	45	8	-14,56004614	-43,57433219
PL	55	3	-14,56004614	-43,57433219
VM	125	1	-14,56004614	-43,57433219
ME	400	3	-14,55891046	-43,57386015
VM	125	1	-14,55891046	-43,57386015
VM	125	1	-14,54987911	-43,56873888
VM	125	1	-14,55264758	-43,56834085
VM	125	1	-14,45983932	-43,54503342
VM	125	1	-14,56065781	-43,5734271
VM	125	1	-14,55994248	-43,57496249
VM	125	1	-14,55657929	-43,57105044
ME	400	1	-14,55339349	-43,57033194
VM	125	1	-14,5569776	-43,57230602
VM	125	1	-14,56022578	-43,57315493
VM	125	1	-14,5602365	-43,5755956
VM	125	1	-14,55524401	-43,56985125

VM	125	1	-14,55548011	-43,57424294
VM	125	1	-14,55610965	-43,56964589
VM	125	1	-14,56127255	-43,57359748
VM	125	1	-14,55923514	-43,5753101
VM	125	1	-14,5543018	-43,57101578
VM	125	1	-14,55865967	-43,57755173

Guanambi

Tipo_Lampada	Potencia_Lampada	Qtd_Lampada	Latitude	Longitude
VS	250	4	-14,21338043	-42,78817583
VS	70	1	-14,23491492	-42,77797094
VS	400	1	-14,19620698	-42,75688527
VS	70	1	-14,19658807	-42,76847559
VS	70	1	-14,19592048	-42,76920332
VS	70	1	-14,19537038	-42,77182315
VS	70	1	-14,23059227	-42,75130196
VS	70	1	-14,23175577	-42,75130645
VS	70	1	-14,23196668	-42,75139965
VS	250	1	-14,23294536	-42,75143662
VS	70	1	-14,23205001	-42,7503432
VS	70	1	-14,23314787	-42,75063554
VS	70	1	-14,20781218	-42,79366119
VS	250	1	-14,23310458	-42,7841377
VS	70	1	-14,2329273	-42,76296768
VS	250	1	-14,23135255	-42,75767565
ME	400	1	-14,26671264	-42,78322039
VS	250	1	-14,22560591	-42,78247137
VS	250	1	-14,2275957	-42,78623332
VS	70	1	-14,2275957	-42,78623332
VS	250	1	-14,24536838	-42,75772567
VS	250	1	-14,21782448	-42,80445168
VS	70	1	-14,30653555	-42,95952027
VS	250	1	-14,20868584	-42,78789251
VS	400	1	-14,20099794	-42,92626058
VS	250	1	-14,2321436	-42,74950478
VS	250	1	-14,23329535	-42,74956678
VS	250	1	-14,21412567	-42,78149681
ME	250	1	-14,21901708	-42,76195283
VS	250	1	-14,32733354	-42,97841224
VS	70	1	-14,28271446	-42,71182086
VS	250	1	-14,20408066	-42,78194336
VM	125	1	-14,32605054	-42,88755592
VS	70	1	-14,22810608	-42,76249208
VS	250	1	-14,21758307	-42,78821548
VS	70	1	-14,23427314	-42,78066632
VS	250	1	-14,24234436	-42,75622327
ME	250	1	-14,21539856	-42,76029807
ME	250	1	-14,2169986	-42,76063131
ME	250	1	-14,21747682	-42,75891553
ME	250	1	-14,21765533	-42,75622531
VS	70	1	-14,30287318	-43,03938394
VS	400	2	-14,20940402	-42,7713964
VS	70	1	-14,20431162	-42,79170274
VS	250	1	-14,19445883	-42,75617962
VS	250	1	-14,24189776	-42,75735261
VS	250	1	-14,23144467	-42,6172506
VS	250	1	-14,20953093	-42,76003883
VS	250	1	-14,22796949	-42,75728883
VS	70	1	-14,30580409	-42,93827113
VS	250	1	-14,22653934	-42,75655076
VS	250	1	-14,23664207	-42,77019037

VS	70	1	-14,21791203	-42,74852853
VS	250	1	-14,32185824	-42,98198605
VS	250	1	-14,23032632	-42,75186183
VS	250	1	-14,20892099	-42,78093124
VS	250	1	-14,1943641	-42,77128911
VS	70	1	-14,19491628	-42,76866819
VS	250	1	-14,22298694	-42,79253697
VS	250	1	-14,23211263	-42,78335571
VS	250	1	-14,21723582	-42,79825386
VS	250	1	-14,21492153	-42,8035748
VS	250	1	-14,19551339	-42,75760934
VS	250	1	-14,19886666	-42,75496121
VS	250	1	-14,19350361	-42,75901201
VS	70	1	-14,20646136	-42,75761539
VS	250	1	-14,23889686	-42,7627835
VS	70	1	-14,24493525	-42,76030107
VS	250	1	-14,21369314	-42,77028023
VS	250	1	-14,22004936	-42,79501987
VS	70	1	-14,12417305	-42,85152269
VS	250	1	-14,27063157	-43,01173268
VS	70	1	-14,23088726	-42,7532322
VS	250	1	-14,23768834	-42,75997662
VS	250	1	-14,20867534	-42,78863657
VS	250	1	-14,21067111	-42,75593467
VS	70	1	-14,23956064	-42,7672441
VS	250	1	-14,2139618	-42,77107818
VS	400	1	-14,21347428	-42,80377359
VS	70	1	-14,21904828	-42,79155011
VS	400	2	-14,21099364	-42,79396883
VS	250	1	-14,19509866	-42,75892399
VS	400	1	-14,24084897	-42,59077582
VS	250	1	-14,23008329	-42,77353332
VS	250	1	-14,22984458	-42,77465401
VM	125	1	-14,20941485	-42,79650333
VS	250	1	-14,23629879	-42,77726744
VS	250	1	-14,32662811	-42,98730479
VS	400	1	-14,21935196	-42,80015317
VS	70	1	-14,22727829	-42,74843104
VS	400	2	-14,2091011	-42,7671971
VM	125	1	-14,2324892	-42,78494788
VS	70	1	-14,22836299	-42,76077696
VS	400	2	-14,21152014	-42,80140342
VS	250	1	-14,2145906	-42,79082378
VS	250	1	-14,2244445	-42,77319784
VS	400	1	-14,20218049	-42,75714642
VS	250	1	-14,21128063	-42,76427218
VS	250	1	-14,22297266	-42,77206331
VS	250	1	-14,32364085	-42,97940692
VS	70	1	-14,22763522	-42,74889712
VS	250	1	-14,23389554	-42,75225318
VS	400	2	-14,20945464	-42,77251797
VS	70	1	-14,24586526	-42,76068422
VS	250	1	-14,22074859	-42,79306608
VS	70	1	-14,3286755	-42,92662292
VS	250	1	-14,22812893	-42,77954193
VS	250	1	-14,21596736	-42,76595049
MT	160	1	-14,18774305	-42,88482433
VS	250	1	-14,19846689	-42,75697849
VS	250	1	-14,19805684	-42,75758942
VS	250	1	-14,19692857	-42,7567102
VS	250	1	-14,22389794	-42,78222452
VS	250	1	-14,21002011	-42,75939533

VS	70	1	-14,21081212	-42,76084514
VS	250	1	-14,21431027	-42,77792836
VM	125	1	-14,2322654	-42,76916175
VS	70	1	-14,28990519	-42,91193602
VM	125	1	-14,221172	-42,92717837
VS	250	1	-14,21418772	-42,78499009
VS	70	1	-14,23355144	-42,73084275
VS	70	1	-14,23354187	-42,72933089
VS	70	1	-14,24270399	-42,75463315
VS	250	1	-14,2235667	-42,78122241
VS	250	1	-14,19541889	-42,77152519
VS	70	1	-14,22962366	-42,75067804
VS	70	1	-14,2318644	-42,75097499
VS	250	1	-14,23318819	-42,75106676
VS	250	1	-14,21049932	-42,78211365
VS	70	1	-14,22392095	-42,75256593
VS	70	1	-14,22460999	-42,75870508
VS	70	1	-14,28163737	-42,71221612
VS	70	1	-14,33181805	-42,90048796
VS	250	1	-14,23049775	-42,7587172
VS	70	1	-14,24486505	-42,78528172
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VS	70	1	-14,2578017	-42,87252197
VS	70	1	-14,35074543	-42,97041838
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VS	250	1	-14,23373621	-42,76502777
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VS	250	1	-14,32022562	-42,9810796
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VS	250	1	-14,2144499	-42,79640896
VS	70	1	-14,24672822	-42,76363214
VS	250	1	-14,203261	-42,76138526
VS	70	1	-14,31579877	-42,98427034
ME	250	1	-14,21543603	-42,7577823
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VS	250	1	-14,1954983	-42,75603841
VS	250	1	-14,19587229	-42,75659317
VM	80	1	-14,20891375	-42,76359132
VS	250	1	-14,24096034	-42,75929599
VS	250	1	-14,20898894	-42,75985667
VS	70	1	-14,21037948	-42,75199794
VS	70	1	-14,31462921	-43,03112316
VS	250	1	-14,22326903	-42,77281783
VS	70	1	-14,25044851	-42,9765785
VS	70	1	-14,31295981	-43,02330731
VS	70	1	-14,1950883	-42,76783351
VS	250	1	-14,21382884	-42,7730518
VS	250	1	-14,21422123	-42,78304395
VS	250	2	-14,23504436	-42,77152032
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VS	250	1	-14,19431836	-42,75642872
VS	250	1	-14,22383767	-42,77853553
VS	250	2	-14,23575665	-42,76932603
VS	250	1	-14,2243666	-42,78018997
VS	250	1	-14,23189557	-42,77456978
VS	250	1	-14,226204	-42,77928509
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VS	70	1	-14,20044207	-42,7846099
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VS	70	1	-14,23299012	-42,75238106
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VS	70	1	-14,21582819	-42,78681533
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VS	150	1	-14,22022327	-42,76953305
VS	70	1	-14,21517767	-42,7725281
VS	250	1	-14,22178391	-42,78724063
VS	250	1	-14,22273908	-42,78271176
VS	400	4	-14,32319349	-42,98483831
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VM	80	1	-14,22585437	-42,77837559
VS	70	1	-14,24613622	-42,78558495
VS	70	1	-14,21985403	-42,79394409
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VS	70	1	-14,22094751	-42,6194651
VS	70	1	-14,22439115	-42,75541288
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VM	400	1	-14,21106727	-42,78261606
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VS	250	1	-14,20036646	-42,78626821
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VM	250	1	-14,02839463	-42,91548926
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VS	70	1	-14,05859078	-42,89104915
VM	125	1	-14,3158864	-43,01758147
VS	70	1	-14,2801778	-42,7074742
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VS	70	1	-14,22654996	-42,75135869
VS	70	1	-14,22768843	-42,7512692
VS	250	2	-14,20581168	-42,80250473
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VS	250	1	-14,2072603	-42,75950578
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VS	250	1	-14,23383214	-42,74904171
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VS	250	1	-14,20276543	-42,76085536
VS	250	1	-14,22375902	-42,78047234
VS	250	1	-14,22108633	-42,79584836
VM	80	1	-14,22531315	-42,78627039
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ME	250	1	-14,21749621	-42,75932793
VS	250	1	-14,19599489	-42,75565036
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VS	250	1	-14,19644299	-42,7563037
VS	250	1	-14,19452455	-42,75732674
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VS	250	1	-14,19582685	-42,75766672
VS	250	1	-14,21098508	-42,76195035
VS	70	2	-14,15915452	-42,62739427
VS	250	1	-14,20873474	-42,76015981
VS	250	1	-14,22732405	-42,61907213
VS	250	2	-14,23610183	-42,77025371
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ME	250	1	-14,21819547	-42,76159557
VS	70	1	-14,19484554	-42,7689303
VS	70	1	-14,19424069	-42,76915549
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VS	250	1	-14,21397391	-42,80307099
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VS	250	1	-14,22256948	-42,79300819
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VS	250	1	-14,21938536	-42,76581369
VS	250	1	-14,23213005	-42,77109669
VS	70	1	-14,25286156	-43,01204939

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VS	70	1	-14,3369702	-42,93366766
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VS	70	1	-14,23402667	-42,61322254
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VM	125	1	-14,22454575	-42,79838754
VS	250	1	-14,22906119	-42,75675377
VM	125	1	-14,22390108	-42,75599516
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VS	250	1	-14,32229968	-42,98017068
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VS	250	1	-14,22680899	-42,75705215
VS	250	2	-14,22306409	-42,7717485

VS	250	3	-14,22306409	-42,7717485
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VS	250	1	-14,21171762	-42,78555619
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VS	250	1	-14,24736419	-42,76351692
VS	400	2	-14,21241885	-42,7895067
VS	70	1	-14,19749012	-42,78456036
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VS	250	1	-14,19266549	-42,75906965
VS	250	1	-14,20259818	-42,75942761
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VS	400	1	-14,26411955	-42,61433498

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VS	250	1	-14,22593549	-42,77933988
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VS	250	1	-14,2325933	-42,74818445
VS	250	1	-14,23370246	-42,75054737
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VS	250	1	-14,22015843	-42,7893945
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VS	250	1	-14,24021389	-42,59096307
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VM	125	1	-14,33668029	-42,9175878
ME	250	1	-14,21383686	-42,76083976
ME	250	1	-14,21599323	-42,75729953
VS	250	1	-14,21220873	-42,78467744
VS	250	1	-14,19612252	-42,75480246
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VS	250	1	-14,19687977	-42,75593011
VS	250	1	-14,19485016	-42,75580226
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VM	400	1	-14,20821388	-42,79521028
VS	400	1	-14,20790064	-42,76374548
VS	250	1	-14,23794599	-42,77476732
VS	250	1	-14,23525508	-42,77623884
VS	250	1	-14,2153786	-42,79938731
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VS	250	1	-14,19442979	-42,76829531
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VS	250	1	-14,23947895	-42,76452802
VS	250	1	-14,27793875	-42,71247335
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VS	400	1	-14,21278716	-42,80406875
VS	250	1	-14,23350094	-42,77905982
VS	250	1	-14,22595411	-42,78801552
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VS	250	1	-14,23341764	-42,76569405
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VS	250	1	-14,19531718	-42,76942203
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VS	70	1	-14,1952753	-42,77217359
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VS	250	1	-14,23446168	-42,77304899
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VS	250	1	-14,20437783	-42,78230581
VS	250	1	-14,21843255	-42,79726637
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VM	125	1	-14,2438847	-42,75801734
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VS	250	1	-14,23537694	-42,78224932
VS	70	1	-14,22565199	-42,90452573
VS	150	2	-14,21992714	-42,77293041
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VS	70	1	-14,19710426	-42,78441696
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VS	250	1	-14,32302351	-42,98294212
VS	250	1	-14,21387426	-42,78408076
PL	45	1	-14,23453516	-42,81322782
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VS	70	1	-14,22524323	-42,90682223
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VS	70	1	-14,23103716	-42,77769817
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VS	250	1	-14,21359111	-42,79463552
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ME	250	1	-14,2191203	-42,76173537
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VS	70	1	-14,226454	-42,77392046
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VS	250	1	-14,21749293	-42,76950529
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VS	400	1	-14,22490686	-42,79347669
VS	250	1	-14,19567863	-42,75839213
VS	250	1	-14,19534481	-42,75836711
VS	250	1	-14,19486566	-42,75886938
VS	400	2	-14,15036323	-42,74824113
ME	250	1	-14,14991563	-42,74848891
VS	70	1	-14,25805292	-42,97903275
VS	250	1	-14,21294754	-42,77438338
VS	70	1	-14,2174099	-42,7907698
VS	250	1	-14,20512929	-42,80574373
VS	70	1	-14,24955729	-42,88174196
VM	125	1	-14,23302511	-42,78562393
VS	70	1	-14,07469793	-42,8208302
VS	400	1	-14,2071981	-42,76290903
VS	150	1	-14,21309458	-42,76590404
VS	250	1	-14,23436675	-42,76293515
VS	250	1	-14,22131899	-42,77458793
VS	70	1	-14,3388378	-42,9252241
VS	400	2	-14,20893922	-42,76692779
VM	80	1	-14,20711113	-42,79074399
VM	125	1	-14,15522301	-42,62936249
VS	250	1	-14,22797512	-42,78234048
VS	70	1	-14,22593946	-42,7586881
VS	70	1	-14,22500476	-42,75889473
VS	70	1	-14,22354597	-42,76014165
VS	70	1	-14,22556094	-42,75779281
VS	250	1	-14,23110051	-42,77925644
VM	80	1	-14,05128077	-42,8947995
VS	250	1	-14,21974385	-42,79172863
VS	70	1	-14,20653284	-42,80646646
VS	250	1	-14,21653161	-42,79795482
VM	125	1	-14,17217507	-42,622105
VS	250	1	-14,20547189	-42,78228176
VS	250	1	-14,22064579	-42,78416894
VS	250	1	-14,21373898	-42,77983606
ME	250	1	-14,23065927	-42,77713149
VS	250	1	-14,21491142	-42,78769187
VS	250	1	-14,2270851	-42,75061397
VS	250	2	-14,23226262	-42,75147644

VM	125	1	-14,11821076	-42,67654863
VS	70	1	-14,20321473	-42,78617757
VS	250	1	-14,2265389	-42,78468972
VS	250	1	-14,220112	-42,76758635
VS	250	1	-14,22195984	-42,76699404
VS	250	1	-14,21949592	-42,77889818
VS	250	1	-14,21815183	-42,80010141
VS	70	1	-14,20683146	-42,77469031
VS	70	1	-14,23103874	-42,75861167
VS	70	1	-14,30892705	-42,92852402
VS	250	1	-14,20352707	-42,78533336
VS	250	1	-14,21408821	-42,79435978
VS	250	1	-14,23318939	-42,78309063
VS	150	1	-14,21939725	-42,77054975
VS	250	1	-14,20149229	-42,78648153
VS	250	1	-14,21049715	-42,79101069
VM	125	1	-14,03871522	-42,92332404
VS	70	1	-14,23399674	-42,75293357
VS	250	1	-14,21580948	-42,79760937
VS	250	1	-14,21234701	-42,76996984
VS	250	1	-14,32137296	-42,98346743
VS	400	1	-14,20906954	-42,76857788
VS	70	1	-14,22778879	-42,75884423
VS	400	2	-14,20948988	-42,77280539
VS	400	2	-14,21167836	-42,79049663
VS	250	1	-14,22625046	-42,75355609
VS	250	1	-14,23528774	-42,76675476
VS	70	1	-14,24520603	-42,76092422
VS	70	1	-14,23330737	-42,78016862
VS	70	1	-14,31713389	-42,98403109
ME	250	1	-14,21759077	-42,75827826
VS	400	8	-14,21742477	-42,77101576
VS	250	1	-14,19633649	-42,75692843
VS	250	1	-14,2395564	-42,76009771
VS	250	1	-14,24433832	-42,75752759
VS	250	1	-14,2256088	-42,62155145
VS	250	2	-14,24346439	-42,75940631
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ME	250	1	-14,23677432	-42,7705055
VS	250	1	-14,2134744	-42,80104884
VS	250	1	-14,21265489	-42,80008211
VS	250	1	-14,1946434	-42,76993547
VS	70	1	-14,19461324	-42,76857542
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VS	250	1	-14,21416209	-42,80357212
VS	250	1	-14,22282605	-42,77266525
VS	250	1	-14,19753578	-42,75298769
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VS	70	1	-14,24240425	-42,94036902
VS	250	1	-14,21612196	-42,77963986
VS	70	1	-14,25316263	-42,88752514
VS	250	1	-14,21628256	-42,78789754
VS	70	1	-14,24543536	-42,94702868
VS	70	1	-14,03982531	-42,90644202
LED	100	1	-14,07894098	-42,89626822
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VS	70	1	-14,302682	-43,039689
VS	250	1	-14,21470961	-42,78794382

VS	70	1	-14,22545598	-42,75909968
VS	70	1	-14,22380465	-42,76005354
VS	70	1	-14,22394162	-42,76039415
VS	70	1	-14,25359251	-42,78218211
MT	160	1	-14,29464127	-42,82755546
VS	250	1	-14,21151873	-42,78695142
VS	70	1	-14,12958092	-42,79188711
VS	70	2	-14,11737678	-42,78986092
VS	70	1	-14,10990106	-42,78524259
VS	250	1	-14,10990106	-42,78524259
VM	80	1	-14,22206688	-42,78367335
VS	250	1	-14,23671477	-42,76077513
VS	250	1	-14,23443896	-42,75068902
VS	250	2	-14,2194025	-42,78006815
VS	250	1	-14,2131477	-42,77399481
VM	125	1	-14,21975305	-42,79884898
VS	70	1	-14,24953168	-42,89216499
VS	150	1	-14,23823182	-42,76717474
VS	250	1	-14,22629249	-42,76580114
VS	250	1	-14,2366902	-42,77157836
VS	250	1	-14,21631751	-42,79037221
VM	125	1	-14,32648849	-42,88794189
VS	70	1	-14,2347488	-42,78121824
ME	250	1	-14,21686976	-42,75889757
ME	250	1	-14,21836324	-42,75791104
VS	70	1	-14,31946	-42,98476644
VS	400	1	-14,08062254	-42,93881537
VS	250	1	-14,1956799	-42,75516409
VS	70	1	-14,19722547	-42,61435624
VS	250	1	-14,22786407	-42,6165247
VS	250	1	-14,2266593	-42,62089625
VS	250	1	-14,2144179	-42,79052958
VS	250	1	-14,25746071	-42,96282273
VS	250	1	-14,21977565	-42,77095883
VS	250	1	-14,21770055	-42,78845297
VS	400	1	-14,2853014	-42,80759634
VS	150	1	-14,19978717	-42,78211371
VS	250	1	-14,22811277	-42,77617741
VS	250	2	-14,21292717	-42,78063913
VS	250	1	-14,22889908	-42,7790348
VS	250	1	-14,19834485	-42,75388475
VS	250	1	-14,19843156	-42,75399727
VS	70	1	-14,21968681	-42,76422614
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VS	250	1	-14,21798022	-42,80470571
VM	125	1	-14,22363764	-42,7535289
VS	70	1	-14,25066113	-42,88175542
VS	250	1	-14,18711896	-42,76850228
VS	250	1	-14,32235469	-42,97998548
VM	80	1	-14,33273981	-42,97842636
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VS	250	1	-14,21559144	-42,76758039
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VM	80	1	-14,23549018	-42,76503367
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VS	250	1	-14,21636813	-42,77065073
VM	250	1	-14,18777636	-42,74043803
VS	250	1	-14,20392496	-42,78255448
VS	250	1	-14,23638508	-42,76790075
VS	70	1	-14,22397256	-42,78428234
VS	250	1	-14,22397256	-42,78428234

VS	250	1	-14,19512819	-42,77035691
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VS	250	1	-14,21603003	-42,76331858
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VS	150	1	-14,21684361	-42,76899336
VS	70	1	-14,26029672	-42,5982672
VS	400	2	-14,20942836	-42,77225838
VS	250	1	-14,21432039	-42,76640835
VS	70	1	-14,21973517	-42,78614863
VS	250	1	-14,21761135	-42,76641942
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VS	250	1	-14,24512465	-42,75760436
VS	70	1	-14,19783926	-42,78371416
VS	70	1	-14,20096342	-42,80046739
VS	250	1	-14,22297024	-42,76266136
VS	250	1	-14,23226578	-42,77374215
VS	250	1	-14,19863792	-42,7830618
VS	70	1	-14,19750825	-42,78264062
VS	70	1	-14,19770936	-42,78395652
VS	250	1	-14,21675531	-42,79729961
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VS	250	1	-14,22261595	-42,77333186
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VS	250	1	-14,2140762	-42,77484135
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VS	250	1	-14,2245725	-42,77546392
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VS	70	1	-14,20642309	-42,77615914
VS	250	1	-14,23596937	-42,7734421
VS	70	1	-14,24327417	-42,98911665
VS	70	1	-14,2017815	-42,7621244
VS	70	1	-14,23187308	-42,74847266
VS	70	1	-14,23121487	-42,74844537
VS	250	1	-14,23871909	-42,76465523
VS	250	1	-14,22655192	-42,78622832
VS	70	1	-14,22914599	-42,76136053
VS	250	1	-14,20522033	-42,78455145
VS	250	1	-14,22443505	-42,77190061
VM	125	1	-14,22493031	-42,79910486
VS	250	1	-14,21591469	-42,80128912
VS	250	1	-14,21321649	-42,77786902
VS	250	1	-14,24128911	-42,76856984
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VS	70	1	-14,23997049	-42,77013046
VS	250	1	-14,22951454	-42,778833
VS	250	1	-14,32335279	-42,98129714
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VS	70	1	-14,21004201	-42,80008221
VS	250	1	-14,28755531	-42,78996461

VS	70	1	-14,28724335	-42,78986784
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VM	400	1	-14,21358922	-42,77724008
VS	250	1	-14,21483985	-42,76501416
VS	250	1	-14,21640757	-42,79990065
VS	250	1	-14,20796656	-42,79345784
VS	150	1	-14,2006004	-42,78126446
VS	250	1	-14,32269601	-42,98052472
VS	70	1	-14,23259155	-42,76230245
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VS	250	1	-14,24117561	-42,75983432
VS	250	1	-14,21528666	-42,79170387
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VS	70	1	-14,22592733	-42,79857404
VS	70	1	-14,22180589	-42,75712959
VS	70	1	-14,22813699	-42,74947889
VS	70	1	-14,22759407	-42,74921842
VS	70	1	-14,22728468	-42,74887428
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VS	250	1	-14,20265757	-42,78307634
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VS	400	1	-14,20856779	-42,76434085
VS	250	1	-14,23788228	-42,76340112
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VS	250	1	-14,23898086	-42,76216091
VS	250	1	-14,20216601	-42,78130661
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VS	250	1	-14,23502025	-42,76496721
VS	70	1	-14,22499434	-42,75622123
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VS	70	1	-14,22981594	-42,76178403
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VS	250	1	-14,22489031	-42,75481209
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VS	70	1	-14,22435974	-42,59984053
VS	250	1	-14,22598765	-42,62189543
VS	400	2	-14,2097132	-42,77642984
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VS	70	1	-14,21460769	-42,74860377
VS	250	1	-14,32654843	-42,97806578
VS	250	1	-14,24191819	-42,75945677
VS	70	1	-14,19694547	-42,78298945
VM	125	1	-14,03196318	-42,84895004
VS	70	1	-14,24481565	-42,75680053
VS	70	1	-14,28273283	-42,69798836
VS	250	1	-14,23997436	-42,77173159
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VS	70	1	-14,20758701	-42,76679368
VS	250	1	-14,26952156	-43,00276065
VS	70	1	-14,20276937	-42,76395377

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VS	70	1	-14,22824576	-42,7544432
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VS	400	1	-14,19980521	-42,75753814
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VS	150	1	-14,22137053	-42,76983351
VS	250	1	-14,21230328	-42,78616989
VS	250	1	-14,22192334	-42,9256727
VS	250	1	-14,20068025	-42,78352495
VM	250	1	-14,18832692	-42,74092429
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VS	250	1	-14,23112385	-42,77000774
VS	70	1	-14,09781232	-42,80904982
VS	70	1	-14,0935636	-42,80486442
VS	250	1	-14,2263375	-42,75747693
VS	400	2	-14,2095152	-42,77336154
VS	250	1	-14,21686505	-42,76856765
VS	250	1	-14,2168467	-42,77363665
VS	250	1	-14,24381406	-42,76878786
VS	70	1	-14,3203704	-42,978855
VS	250	1	-14,23217013	-42,78236417
VS	250	1	-14,22024317	-42,77734619
VS	250	1	-14,23898225	-42,767168
VS	400	1	-14,20891933	-42,76506954
VS	250	1	-14,21391885	-42,7787426
VS	250	1	-14,21250889	-42,78136985
VS	400	2	-14,21056235	-42,7882988
VS	70	1	-14,22006229	-42,78013529
VS	250	1	-14,23078672	-42,61676313
VS	250	1	-14,20506013	-42,78336586
VS	70	1	-14,22895879	-42,75150743
VS	250	1	-14,2261527	-42,78939673
VS	250	1	-14,22477361	-42,77213439
VS	250	1	-14,22134288	-42,78663668
VS	250	1	-14,21391676	-42,76334348
VS	400	2	-14,21140941	-42,80002102
VS	250	1	-14,21059446	-42,7779521
VS	250	1	-14,23626161	-42,76693637
VS	400	1	-14,21159179	-42,80435082
VS	250	1	-14,217811	-42,78359819
VS	70	1	-14,32714422	-42,96109283
VS	400	2	-14,20916983	-42,76831872
VM	125	1	-14,17040647	-42,62063989
VM	125	1	-14,26218324	-42,95060378
VM	125	1	-14,26218324	-42,95060378
VM	80	1	-14,24108866	-42,96920263
VS	250	1	-14,20931289	-42,77719769
VS	250	1	-14,21657859	-42,78651828
VS	250	1	-14,21660929	-42,79635173
VS	250	1	-14,23831657	-42,76330061

VS	70	1	-14,20979903	-42,78886743
VS	70	1	-14,21698236	-42,77640826
VS	250	1	-14,22276494	-42,79132205
VS	70	1	-14,24256445	-42,94987418
VS	70	1	-14,25865366	-42,87290919
VM	125	1	-14,25861622	-42,8733322
VS	70	1	-14,22578584	-42,75803583
VS	70	1	-14,22349012	-42,76089952
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VS	250	1	-14,21463648	-42,78599258
VS	250	1	-14,22193321	-42,77754659
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VS	250	1	-14,20225545	-42,78160348
VS	250	1	-14,22074675	-42,77818204
VS	250	1	-14,22204282	-42,79096735
VS	70	1	-14,20098758	-42,79729906
VS	250	1	-14,22791618	-42,77824361
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VS	250	1	-14,13255151	-42,8740831
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VS	250	1	-14,21526557	-42,76769978
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VS	70	1	-14,22079677	-42,78807043
VS	70	1	-14,19377794	-42,78455001
VS	250	1	-14,22607025	-42,61540593
VS	70	1	-14,22360078	-42,59970321
VS	400	2	-14,21060373	-42,78882619
VS	400	1	-14,21060692	-42,78725698
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VS	250	1	-14,30935224	-42,97755834
VS	70	1	-14,21743514	-42,77618737
VS	250	1	-14,20773732	-42,76109437
VS	250	1	-14,21832688	-42,77442947
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VS	250	1	-14,1956224	-42,75758913
VS	250	1	-14,19710387	-42,75945037
VS	250	1	-14,19434708	-42,75932017
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VS	250	1	-14,21604094	-42,79597902
ME	250	1	-14,21882495	-42,76169861
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VS	250	1	-14,20198846	-42,78447518
VS	250	1	-14,22175755	-42,77596112
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VS	250	1	-14,22298024	-42,78920834
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VS	70	1	-14,20558054	-42,79186831
VS	250	1	-14,22415963	-42,77684053
VS	250	1	-14,23006642	-42,75622881
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VS	250	1	-14,21874996	-42,76659935
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VS	70	1	-14,22419056	-42,78672066
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VS	250	1	-14,19460261	-42,77257425
VS	250	1	-14,19406652	-42,75858324
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VS	250	1	-14,31404238	-42,97874419
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VS	150	1	-14,19802233	-42,78410448
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VS	70	1	-14,10688247	-42,87283867
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VS	250	1	-14,10935741	-42,78518552
VS	250	1	-14,1827927	-42,84567787
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VS	400	1	-14,2031797	-42,75852133
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VS	250	1	-14,22314811	-42,76727924
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VS	250	2	-14,32162878	-42,98043258
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ME	250	1	-14,21690601	-42,75716233
VS	250	1	-14,04711009	-42,94141742
VS	250	1	-14,08730076	-42,93249378
VS	250	1	-14,19706761	-42,75622839
VS	150	1	-14,20255611	-42,75986378
LED	100	1	-14,30732425	-42,95448929
MT	250	1	-14,30732425	-42,95448929
VS	70	1	-14,19733511	-42,61658546
VS	70	1	-14,22436329	-42,59932409
VS	70	1	-14,22415146	-42,78486686
VM	250	1	-14,20846635	-42,79541505
VS	250	1	-14,22278347	-42,79662355
VM	125	1	-14,3326052	-42,94012174
VS	250	1	-14,21604829	-42,76204679
VS	70	1	-14,22328819	-42,75539068
VS	70	1	-14,24153663	-42,7656843
VS	250	1	-14,21813918	-42,77932238
VS	250	1	-14,22419755	-42,78043222
VS	250	1	-14,23663144	-42,7728048
VS	250	1	-14,22263405	-42,78165482
VS	250	1	-14,2434954	-42,75818289
VS	250	1	-14,19536948	-42,75500042
VS	400	2	-14,1335462	-42,84966746
VM	80	1	-14,32175674	-42,98020523
VS	250	1	-14,22569049	-42,78699462
VS	70	2	-14,21978546	-42,78460158
VM	80	1	-14,23453444	-42,7642148
VS	250	1	-14,23453444	-42,7642148
VM	125	1	-14,20934808	-42,78853223
VS	250	1	-14,3256879	-42,98721353
VS	400	1	-14,21204549	-42,80386123
VS	70	1	-14,09283457	-42,92799152
VS	250	1	-14,22720508	-42,61962793
VS	250	1	-14,19899171	-42,78314151
VS	70	1	-14,19758882	-42,78426359
VS	250	1	-14,22593127	-42,77139675
VS	250	1	-14,23809498	-42,7675543
VS	250	1	-14,20101073	-42,79580479
VS	250	1	-14,21834947	-42,78687658

VS	250	1	-14,22807778	-42,78108486
VS	250	2	-14,2137384	-42,76745367
VS	70	1	-14,04042736	-42,92473422
VS	250	1	-14,2212756	-42,79602511
VS	250	1	-14,24372317	-42,75763677
VS	70	1	-14,22037578	-42,9184816
VS	250	1	-14,2008041	-42,75781837
VS	250	1	-14,24110872	-42,76133253
VS	250	1	-14,23923763	-42,76082889
VS	70	1	-14,22999106	-42,7585813
PL	45	1	-14,05092647	-42,90699609
VS	70	1	-14,23089631	-42,75018479
VS	70	1	-14,23077208	-42,75084765
VS	70	2	-14,21429377	-42,78021748
VS	250	1	-14,21672618	-42,76173997
VS	70	1	-14,22576514	-42,77001047
VS	250	1	-14,22176872	-42,77808358
VS	400	1	-14,21816447	-42,80172336
VS	250	1	-14,22631491	-42,75318556
VS	70	1	-14,31896085	-42,98522785
MT	160	1	-14,05523004	-42,91814257
VS	250	1	-14,23294455	-42,78331223
VS	250	1	-14,32444339	-42,98428743
VS	250	1	-14,21308811	-42,78670086
VS	70	1	-14,20118028	-42,79977736
VS	250	1	-14,20643474	-42,79143495
VS	70	1	-14,21977631	-42,78738199
VS	250	1	-14,22208567	-42,92617531
VS	70	1	-14,22170441	-42,7973566
VS	250	1	-14,2184434	-42,78029657
VS	70	1	-14,20609634	-42,79033743
VS	250	1	-14,28051631	-42,70613099
VS	250	1	-14,22160764	-42,77479281
VS	250	1	-14,235615	-42,77676839
VS	250	1	-14,20250424	-42,76053939
VS	250	1	-14,22565247	-42,78884316
VS	250	1	-14,22565247	-42,78884316
ME	150	1	-14,12812492	-42,7648653
VM	400	1	-14,21028585	-42,76989801
VS	70	1	-14,23505321	-42,6138303
VS	150	1	-14,19716128	-42,6136839
VS	250	1	-14,23774088	-42,77361496
VS	400	2	-14,21071774	-42,79068801
VS	250	1	-14,20444221	-42,7819724
VS	250	1	-14,21693248	-42,77506422
VS	400	1	-14,21192599	-42,80444468
VS	250	1	-14,2025974	-42,76251368
VS	250	1	-14,21410512	-42,79549728
VS	250	1	-14,3254284	-42,98661268
VS	250	1	-14,22352812	-42,77084178
VS	70	1	-14,23330546	-42,74639848
VS	70	1	-14,23365883	-42,74598171
VS	70	1	-14,20202638	-42,80162954
VS	250	1	-14,21882644	-42,78965495
VS	70	1	-14,1973594	-42,79945389
VS	250	1	-14,2535219	-42,70781584
VS	250	1	-14,23596632	-42,76598069
VM	125	1	-14,22467608	-42,75394015
VM	400	1	-14,21645688	-42,77395971
VS	70	1	-14,10596218	-42,87977342
VS	70	1	-14,22150734	-42,7466561
VS	250	1	-14,31978122	-42,98142073

VS	250	1	-14,24060485	-42,76303022
VM	125	1	-14,23299224	-42,77893554
VM	125	1	-14,19807304	-42,61437808
VS	250	1	-14,22356695	-42,78665363
VS	250	1	-14,21540774	-42,7712777
VS	250	1	-14,21683749	-42,78201492
VS	250	1	-14,2141006	-42,78947546
VS	250	1	-14,21539689	-42,78699345
VS	250	1	-14,21593413	-42,786218
VS	70	1	-14,19454625	-42,79986106
VS	250	1	-14,21301819	-42,78596846
VM	80	1	-14,22530099	-42,78721572
VS	250	1	-14,21924771	-42,78865916
VS	250	1	-14,2184297	-42,7862077
VS	250	1	-14,21852506	-42,79934274
VS	250	1	-14,24048928	-42,76241808
VS	250	1	-14,23413128	-42,7770692
VS	70	1	-14,24360782	-42,76825882
VS	70	1	-14,09558886	-42,81647683
VS	70	1	-14,22754282	-42,75953892
VS	250	1	-14,21493162	-42,78146157
VM	80	1	-14,2058849	-42,79172192
VM	125	1	-14,34027784	-42,98106464
VS	70	1	-14,23113706	-42,75503671
VS	250	1	-14,21760093	-42,76402822
VS	250	1	-14,22128778	-42,77305857
VS	250	1	-14,21986866	-42,78901424
VS	250	1	-14,2158936	-42,79678482
VS	250	1	-14,21559272	-42,78663536
PL	45	1	-14,28108393	-43,03972908
VS	250	1	-14,32112227	-42,9806848
ME	400	1	-14,17167144	-42,83408759
VS	70	1	-14,11428221	-42,86121947
VS	250	1	-14,21486828	-42,79103503
VS	70	1	-14,32059218	-42,65117509
VS	250	1	-14,32268211	-42,98170219
VS	70	1	-14,24422294	-42,75593522
VS	70	1	-14,20896792	-42,79016759
VS	250	1	-14,21653019	-42,78880434
VS	250	1	-14,22738883	-42,77079924
VS	250	1	-14,22850871	-42,7570578
VS	70	1	-14,21240267	-42,79794018
VS	400	2	-14,20895871	-42,76649227
ME	250	1	-14,21429766	-42,76039495
ME	250	1	-14,2148925	-42,76124004
ME	250	1	-14,21599382	-42,76129247
ME	250	1	-14,21494068	-42,75968161
VS	70	1	-14,17046167	-42,62643283
VS	70	1	-14,25321392	-42,59962047
VS	250	1	-14,24045415	-42,75925723
VM	125	1	-14,23374659	-42,76461071
VS	250	1	-14,21594344	-42,77893488
VS	70	1	-14,24774081	-42,95832511
VS	250	1	-14,21847687	-42,78662678
VS	250	1	-14,3238294	-42,98409933
VS	70	1	-14,10780943	-42,79340309
VS	70	1	-14,22570705	-42,75904509
VS	70	1	-14,2232408	-42,75910008
VS	70	1	-14,22333754	-42,7596122
VS	70	1	-14,22992699	-42,76336182
VS	250	1	-14,22992699	-42,76336182
VS	70	1	-14,22057343	-42,76638592

VM	125	1	-14,26279575	-42,91353366
VS	70	1	-14,10094607	-42,81010323
VS	250	1	-14,21968093	-42,77850066
VS	250	1	-14,21607527	-42,80488861
VS	250	1	-14,22736923	-42,76282828
VS	70	1	-14,23779149	-42,76633905
VS	250	1	-14,23941077	-42,7604031
VS	70	1	-14,22086938	-42,78491116
VS	250	1	-14,22073857	-42,78619899
VS	250	1	-14,22278542	-42,77682657
VS	250	1	-14,21598663	-42,78231784
VS	70	1	-14,24339277	-42,76765556
VS	250	1	-14,2241756	-42,78302255
VS	70	1	-14,20620919	-42,80536034
VS	250	1	-14,22345798	-42,75192544
VS	250	1	-14,32061187	-42,98168394
VS	70	1	-14,05879088	-42,86991002
VS	250	1	-14,23591235	-42,7711451
VS	70	1	-14,30625943	-42,95399342
VS	70	1	-14,13004356	-42,73192564
VS	250	1	-14,2171634	-42,60708524
VS	70	1	-14,25100826	-42,62068465
VS	250	1	-14,21219024	-42,78204531
VS	250	1	-14,2134095	-42,77967692
VS	250	1	-14,21208266	-42,78220926
VS	400	2	-14,21057838	-42,78853676
VS	400	4	-14,21003582	-42,78074591
VS	400	1	-14,2106174	-42,78745229
ME	400	1	-14,24294664	-42,78252172
VS	70	1	-14,22776821	-42,74765901
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VS	250	1	-14,22654502	-42,77965079
VS	70	1	-14,2108803	-42,7507249
VS	250	1	-14,1931381	-42,75760729
VS	250	1	-14,21941215	-42,79382077
VS	250	1	-14,23092289	-42,9366752
VS	250	1	-14,32057344	-42,98004267
VS	70	1	-14,09276079	-42,8291663
VS	250	1	-14,32421463	-42,98276584
MT	160	1	-14,19817773	-42,80456986
VS	70	1	-14,09005251	-42,89378732
VS	250	1	-14,2363658	-42,76546298
VS	400	2	-14,2093203	-42,76932015
VS	250	1	-14,12903311	-42,66368408
VS	250	1	-14,24298916	-42,75816266
VM	400	1	-14,22677548	-42,76472633
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VS	70	1	-14,23263122	-42,74638329
VS	70	1	-14,23314194	-42,74566451
VS	250	1	-14,22583762	-42,78832848
VM	80	1	-14,22619339	-42,77699576
VS	250	1	-14,22016313	-42,7797093
VS	250	1	-14,21195595	-42,77626139
VS	70	1	-14,19801835	-42,79977129
VS	150	1	-14,19937986	-42,78358146
ME	250	1	-14,28384367	-42,78830102
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VS	70	1	-14,25523681	-42,90094022
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VS	70	1	-14,21952888	-42,74748515
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VS	250	1	-14,21137893	-42,76171821
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VS	250	1	-14,1970998	-42,75431157
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VS	250	1	-14,21853805	-42,78726649
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VS	70	1	-14,21049102	-42,75241026
VS	250	1	-14,21320109	-42,79008003
VS	250	1	-14,21399918	-42,78894952
VS	250	1	-14,23384335	-42,77808518
VS	250	1	-14,20482213	-42,78925594
VS	70	1	-14,201442	-42,79989227
VS	70	1	-14,22294906	-42,78484418
VM	125	1	-14,33785126	-42,91636857
VS	70	1	-14,23369349	-42,76928939
VS	250	1	-14,23369349	-42,76928939
VS	250	1	-14,22752376	-42,78212576
VS	70	1	-14,2051689	-42,78943415
VS	400	2	-14,21119945	-42,79732448
VS	70	1	-14,20673626	-42,77496774
VS	70	1	-14,28482841	-42,70020176
VS	70	1	-14,28275656	-42,71285933
VS	70	1	-14,22490385	-42,77253708
VS	250	1	-14,31828653	-42,98284219
VS	250	1	-14,32083028	-42,97914441
VS	250	1	-14,20762204	-42,77585396
VS	250	1	-14,23023425	-42,77992915
VS	250	1	-14,21536353	-42,76534604
VS	250	1	-14,226068	-42,7569292
VS	250	1	-14,24481133	-42,75946643
VS	70	1	-14,24336887	-42,76665446
VS	250	1	-14,20972009	-42,76022982
VS	250	1	-14,21766386	-42,78110226
VS	70	1	-14,22462572	-42,75270729
VS	70	1	-14,23114812	-42,76814149
VS	250	1	-14,22886232	-42,780214
VS	250	1	-14,21909984	-42,77305114
VS	250	1	-14,23985301	-42,76528108
VS	250	1	-14,21725635	-42,79752176
VS	250	1	-14,22674389	-42,78558946
ME	250	1	-14,21475076	-42,7610049
ME	250	1	-14,21350297	-42,75947755
VS	70	1	-14,22547646	-42,89441806
VS	70	1	-14,1109746	-42,77988866
VS	70	1	-14,2020838	-42,76196518
VS	250	1	-14,21300894	-42,79268095
VS	250	1	-14,21451359	-42,78863091
VS	250	1	-14,21488028	-42,78811614
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VS	250	1	-14,22565734	-42,77222998
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VS	250	2	-14,23363215	-42,77486154
VS	250	1	-14,228135	-42,61664592
VS	70	1	-14,1983103	-42,79949476
VS	250	1	-14,20832333	-42,79198311
VS	250	1	-14,2316064	-42,74837501

VS	70	1	-14,22863542	-42,76090958
VS	70	1	-14,229299	-42,76330262
VS	250	1	-14,22101201	-42,7716674
VS	400	1	-14,21454253	-42,8033603
VS	250	1	-14,22849644	-42,7777451
VS	250	1	-14,23329123	-42,7777181
VS	250	1	-14,216955	-42,76527724
VS	250	1	-14,32703135	-42,98372383
VS	70	1	-14,20570912	-42,7760733
VM	80	1	-14,21708228	-42,78925529
VS	70	1	-14,20642006	-42,79188021
VS	250	2	-14,24149057	-42,76029882
VS	250	1	-14,24060897	-42,75890552
VS	70	1	-14,14263082	-42,79541593
VS	250	1	-14,31831121	-42,98231649
VS	250	1	-14,21269065	-42,78384499
VS	250	1	-14,2519286	-42,92770043
VS	250	1	-14,21355081	-42,77942726
VS	250	1	-14,21554109	-42,80215899
ME	250	1	-14,21558584	-42,76056932
VM	125	1	-14,19367609	-42,66973101
VS	70	1	-14,22850908	-42,76544583
VS	250	1	-14,22850908	-42,76544583
VS	150	1	-14,19865118	-42,78205162
VS	150	1	-14,19938261	-42,7824656
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VS	250	1	-14,22489958	-42,78556457
VS	250	1	-14,22515943	-42,78844078
VS	250	1	-14,20807042	-42,75744651
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VS	250	1	-14,20543539	-42,79547306
VS	250	1	-14,21636068	-42,79498847
VS	70	1	-14,22940695	-42,76137688
VS	250	2	-14,22612257	-42,7642343
VS	70	1	-14,31698393	-42,98398278
VS	250	1	-14,2043272	-42,78316094
VS	250	1	-14,20041954	-42,75933695
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VS	250	1	-14,32491661	-42,98576197
VS	250	1	-14,21285335	-42,78660737
VS	250	2	-14,24313333	-42,76293897
VS	250	1	-14,17548322	-42,73452577
VS	250	1	-14,21991802	-42,77724313
VS	250	1	-14,21624465	-42,76406074
VS	250	1	-14,20525108	-42,75631178
VS	250	1	-14,21249512	-42,79104774
VS	250	2	-14,2165059	-42,78547575
VS	250	1	-14,19593958	-42,76728322
VS	250	1	-14,19511305	-42,77297381
VS	70	1	-14,19499804	-42,77350879
VS	70	1	-14,22824396	-42,75137197
VS	250	1	-14,2319281	-42,75055598
VS	250	1	-14,20803694	-42,7603584
VS	400	1	-14,2111547	-42,7680459
VS	400	1	-14,20928572	-42,76882884
VS	250	1	-14,22570708	-42,77918144
VS	250	1	-14,21877782	-42,80290784
VS	400	2	-14,2110956	-42,79593395
VS	250	1	-14,21956569	-42,76878011
VM	125	1	-14,32188209	-43,03268714
VS	250	1	-14,23112782	-42,7583201

VS	250	1	-14,20282301	-42,78222634
VS	70	1	-14,21666888	-42,79357932
VS	250	1	-14,11060572	-42,7875135
VS	250	1	-14,21841865	-42,8014184
VS	400	1	-14,21841865	-42,8014184
VS	70	1	-14,03062105	-42,92109727
VS	250	1	-14,20083974	-42,78322042
VS	250	1	-14,23353437	-42,75075499
VS	70	1	-14,23475554	-42,75090306
VS	70	1	-14,20614942	-42,79071786
MT	160	1	-14,14165403	-42,91404712
VS	70	1	-14,22768818	-42,75820983
VS	250	1	-14,2162524	-42,7861836
VS	250	1	-14,21510928	-42,78242605
VS	70	1	-14,20610965	-42,76632246
ME	250	1	-14,21593636	-42,75971857
ME	250	1	-14,21324435	-42,76130868
ME	250	1	-14,21848212	-42,7600203
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VS	250	1	-14,19585219	-42,75751631
VS	250	1	-14,19263873	-42,75798531
VS	250	1	-14,19633595	-42,61397925
VS	250	1	-14,23796608	-42,77520516
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VS	250	1	-14,21761012	-42,74619568
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ME	250	1	-14,21983793	-42,7618387
VS	70	1	-14,20203987	-42,75872142
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VS	70	1	-14,33120495	-42,90130835
VS	250	1	-14,22191129	-42,77872358
VS	400	1	-14,21061563	-42,78798981
VS	250	1	-14,22192705	-42,76827832
VS	250	1	-14,22142572	-42,78619209
VS	250	1	-14,21683406	-42,78030032
VS	250	1	-14,19402711	-42,75626632
VS	250	1	-14,19214982	-42,7585714
VS	250	1	-14,19822263	-42,75416561
VS	70	1	-14,20804807	-42,7906871
VS	70	2	-14,22030787	-42,79882998
VS	250	1	-14,12873838	-42,87688559
VS	250	1	-14,22957742	-42,7764625
VS	400	1	-14,24458339	-42,87162287
VS	400	1	-14,23754776	-42,86728534
VS	250	1	-14,21377077	-42,77143899
VS	250	1	-14,20742009	-42,79283918
VS	250	1	-14,21814516	-42,78025847
VS	70	1	-14,24256983	-42,99109707
VS	70	1	-14,23234527	-42,74646104
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VS	70	1	-14,11069438	-42,78209767
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VS	250	1	-14,22864508	-42,77652216
VS	250	1	-14,22394897	-42,78320714
VM	125	1	-14,25797526	-42,59739898
VS	250	1	-14,22025782	-42,77003365
VS	250	1	-14,20132069	-42,76395791
VS	250	1	-14,22232063	-42,77409623
VS	70	1	-14,24242519	-42,9489966
VS	250	1	-14,22904944	-42,78025106
VS	250	1	-14,24407241	-42,75869462

VS	70	1	-14,30525169	-42,86023735
VS	250	8	-14,23714373	-42,76815357
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VS	70	1	-14,23142976	-42,76797245
VM	80	1	-14,22437259	-42,75556111
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VS	70	1	-14,14111716	-42,79503073
PL	45	1	-14,21632834	-42,94831118
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ME	250	1	-14,21528978	-42,76129457
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VS	250	1	-14,2123819	-42,78700426
VS	250	1	-14,23200202	-42,75252137
VS	150	1	-14,20000308	-42,78266567
VS	150	1	-14,1989681	-42,7812686
VS	150	1	-14,20035894	-42,78098024
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ME	250	1	-14,23892416	-42,77228194
VS	250	1	-14,3198916	-42,98533389
VS	250	2	-14,20005017	-42,78338637
VS	70	1	-14,11238928	-42,78768153
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VS	250	2	-14,21954801	-42,77980914
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VS	250	1	-14,21206838	-42,77599708
VS	250	1	-14,2235895	-42,76862686
VS	250	1	-14,22693244	-42,78598866
VS	250	1	-14,17533045	-42,7330117
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VS	250	1	-14,22391592	-42,77671921
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VS	70	1	-14,19951717	-42,80036964
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VS	250	1	-14,20846297	-42,76035538
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VS	70	1	-14,31711891	-42,65498639
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VM	80	1	-14,22446137	-42,78685135
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VS	70	1	-14,22278144	-42,75843948
VS	250	2	-14,22344486	-42,78803418
VS	250	1	-14,22485929	-42,77651917
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VS	70	1	-14,28335581	-42,94120595
VS	70	1	-14,23023593	-42,96533936
VS	250	1	-14,20180757	-42,76268091
VS	70	1	-14,2331329	-42,72981739
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VS	70	1	-14,27698272	-42,91158383
VS	70	1	-14,27800133	-42,91106897
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VS	250	1	-14,22598507	-42,75742015
VS	70	1	-14,20525689	-42,7912052
VS	250	1	-14,22139552	-42,78986219
VS	400	2	-14,21120174	-42,79119849
VM	125	1	-14,33939284	-42,91045883
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VS	70	1	-14,22166125	-42,75738287
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VM	80	1	-14,21665752	-42,77621252
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VS	70	1	-14,22800788	-42,75330062
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VS	70	1	-14,19422513	-42,77431148
VS	70	1	-14,1933637	-42,77316231
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VS	250	1	-14,21601071	-42,77493134
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VS	250	1	-14,21087185	-42,7815496
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VM	125	1	-14,21491966	-42,79228277
VS	70	1	-14,30329618	-42,92909977
VS	70	1	-14,2326398	-42,74673256
VS	70	1	-14,23395774	-42,74644084
VS	70	1	-14,23252573	-42,74608727
VS	70	1	-14,23185168	-42,74537369
VS	250	1	-14,22286165	-42,78117365
VM	125	1	-14,22277021	-42,7869938
VS	70	1	-14,19457136	-42,77032232
VS	150	1	-14,19812752	-42,78395453
VS	150	1	-14,19910522	-42,78464598
VS	150	1	-14,19837877	-42,78700941
VS	70	1	-14,23081219	-42,777373
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VS	250	1	-14,21448767	-42,78174735
VS	70	1	-14,22127205	-42,74730356
VS	250	1	-14,32510849	-42,98304788
VS	250	1	-14,21812582	-42,78601879
VS	250	1	-14,19696646	-42,75516242
VS	70	1	-14,23506816	-42,61578527
VS	250	1	-14,23140832	-42,61770727
VS	250	1	-14,2126518	-42,79118452

VS	70	1	-14,19954696	-42,79957276
VS	250	1	-14,21436463	-42,78883883
VS	70	1	-14,21916476	-42,98380727
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VS	250	1	-14,22571258	-42,77749461
VS	250	1	-14,22773991	-42,76619167
VS	70	1	-14,20456681	-42,79267032
VM	125	1	-14,27202244	-42,95369974
VS	250	1	-14,2744022	-42,94300493
VS	250	1	-14,32417386	-42,9838783
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VS	250	1	-14,21836972	-42,76675562
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VS	250	1	-14,22205053	-42,77204165
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VS	250	1	-14,22189116	-42,77379281
VM	400	1	-14,22401249	-42,76923073
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VS	70	1	-14,34560499	-42,97613613
ME	250	1	-14,21574465	-42,76086652
ME	250	1	-14,2137742	-42,75976187
VS	250	1	-14,22574856	-42,61582558
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VM	80	1	-14,27476753	-42,85537285
VS	250	1	-14,2083181	-42,78557228
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VS	250	1	-14,22714563	-42,78439522
VS	250	1	-14,22234568	-42,77859531
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VS	70	1	-14,19820327	-42,79873373
VS	250	1	-14,32537568	-42,98535146
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VS	70	1	-14,195476	-42,77125413
VS	70	1	-14,19521473	-42,77245279
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VS	70	1	-14,31903745	-42,98637788
VM	125	1	-14,22069116	-42,79233435
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VS	250	1	-14,21165654	-42,78738452
VM	125	1	-14,23439976	-42,84630848
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VS	70	1	-14,3579281	-42,96933651
VS	70	1	-14,32726962	-42,9162575
VS	70	1	-14,30010394	-43,05032933

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VS	250	1	-14,23348584	-42,7489642
VS	70	1	-14,23420308	-42,75212369
VS	250	1	-14,23537776	-42,75007064
VS	70	2	-14,23502514	-42,75105011
VS	70	1	-14,22616487	-42,78570796
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VS	250	1	-14,32365557	-42,98241108
VS	250	1	-14,22933789	-42,76072313
VS	250	1	-14,2268918	-42,75659827
VS	250	1	-14,32351004	-42,98043553
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VS	250	2	-14,23484311	-42,7722426
VS	250	1	-14,223241	-42,77574373

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VS	250	2	-14,22748666	-42,75718416
VS	250	1	-14,22716931	-42,78268991
VS	70	1	-14,24176792	-42,76663516
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VS	70	1	-14,20927727	-42,77675068
VS	70	1	-14,27674062	-42,91233652
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VS	150	1	-14,19914821	-42,78664147
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VS	250	1	-14,22027244	-42,78772662
VS	250	1	-14,23659937	-42,76310948
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VS	70	1	-14,22743233	-42,76039533

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VS	250	1	-14,23931088	-42,76336883
VS	250	1	-14,21601794	-42,76427315
MT	500	1	-14,08104185	-42,82962432
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VS	250	1	-14,20812373	-42,78979155
VS	250	1	-14,23671448	-42,7778566
VM	125	1	-14,26177903	-42,94942199
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VS	400	2	-14,20745087	-42,76303036
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VS	250	1	-14,2141047	-42,79118901
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VS	250	1	-14,23633027	-42,7764557
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VM	250	1	-14,29178445	-42,79433896
VS	70	1	-14,2869087	-42,78887312
LED	100	1	-14,2869087	-42,78887312
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VS	250	2	-14,22339816	-42,7626906
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VS	70	1	-14,20801073	-42,77559838
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VS	70	1	-14,21300214	-42,74863566
VS	150	1	-14,19931604	-42,78387956
VS	150	1	-14,19849805	-42,78356036
VS	150	1	-14,19918214	-42,78437508
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VS	150	1	-14,19835318	-42,78403778
VS	150	1	-14,19878166	-42,78480306
VS	400	1	-14,2424211	-42,86674213
VS	250	1	-14,21096844	-42,77158325
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VS	70	1	-14,32075716	-42,97933881
VS	250	1	-14,32075716	-42,97933881
VM	125	1	-14,2543478	-42,88565152
VM	80	1	-14,33546895	-42,93609085
VS	70	1	-14,31894577	-42,98668345
VS	70	1	-14,33264013	-42,94999891
VS	250	1	-14,22510377	-42,77006857
VS	250	1	-14,22387346	-42,78692347
VS	70	1	-14,29992109	-43,05079202
VS	250	1	-14,20736428	-42,78526298
VM	125	1	-14,12561367	-42,75814741
VS	250	1	-14,21713105	-42,77516685
VS	250	1	-14,21446231	-42,77565824
VS	70	1	-14,21737681	-42,77418443
VS	250	1	-14,21915897	-42,76550467
VS	70	1	-14,25508172	-42,83340913
VS	70	1	-14,24778321	-42,95536971
VS	250	1	-14,2159405	-42,79898149
VS	250	1	-14,21906731	-42,79670324
VS	70	1	-14,22463297	-42,75613661
VS	250	1	-14,21295374	-42,78632042
VS	250	1	-14,21933907	-42,76896471
VS	250	1	-14,21334203	-42,78371748
VS	250	1	-14,20506012	-42,79080731
VS	70	1	-14,1937087	-42,78525972
VS	250	1	-14,22074376	-42,7873668
VS	70	1	-14,22587779	-42,75840484
VS	250	2	-14,22881739	-42,76738528
VS	250	1	-14,21714084	-42,78600121
VS	70	1	-14,19499775	-42,78339831
VS	400	2	-14,21773231	-42,78209214
VS	250	1	-14,22561397	-42,78552069
VS	400	2	-14,21119137	-42,79703715

VM	125	1	-14,32395391	-42,98241238
VS	70	1	-14,23820663	-42,7805126
VS	250	1	-14,23820663	-42,7805126
VS	250	1	-14,22495111	-42,77811299
VS	400	2	-14,20524384	-42,76050219
VS	70	1	-14,31834421	-43,03098552
VS	400	2	-14,20246035	-42,75727709
VS	70	1	-14,21229559	-42,79857187
VM	125	1	-14,31431745	-43,01873335
VS	250	1	-14,23583203	-42,76274542
VS	150	1	-14,21637933	-42,76950542
VS	250	1	-14,22372633	-42,77663515
VS	250	1	-14,2163834	-42,78263432
VS	250	1	-14,20557254	-42,78467314
VS	250	1	-14,21921255	-42,7828572
VS	250	1	-14,21703665	-42,80103356
VS	250	1	-14,22652684	-42,7883507
VS	250	2	-14,21740343	-42,78312903
VS	250	1	-14,21480066	-42,80187835
VM	125	1	-14,23671064	-42,76223858
VS	250	1	-14,20444796	-42,78154083
VS	250	1	-14,22314424	-42,75296394
VS	250	1	-14,21671496	-42,80259566
VS	250	1	-14,18410569	-42,84366521
VM	125	1	-14,3224958	-42,9764535
VS	250	1	-14,22471189	-42,77583105
VS	250	1	-14,23973782	-42,76556701
VS	250	1	-14,19375007	-42,78491392
VS	250	1	-14,22114008	-42,79870314
VS	400	1	-14,22114008	-42,79870314
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VS	400	2	-14,21061483	-42,78908118
VS	250	1	-14,21280938	-42,79358609
VS	250	1	-14,22828157	-42,77709557
VS	400	1	-14,2106166	-42,78769325
VS	250	1	-14,22214004	-42,77510974
VS	250	1	-14,20631512	-42,76195151
VS	400	1	-14,20631512	-42,76195151
VS	400	2	-14,2099211	-42,77922014
VS	250	1	-14,06338953	-42,91795938
VS	250	1	-14,21533851	-42,79785796
VS	250	1	-14,21451907	-42,7635442
VS	250	1	-14,22787689	-42,77152031
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VS	70	1	-14,1989483	-42,8001545
VS	250	1	-14,22166872	-42,79471967
VS	70	1	-14,33562236	-42,93386608
VS	250	1	-14,2208539	-42,77302929
VS	250	1	-14,22541939	-42,62137483
VS	400	1	-14,19673168	-42,61408949
VS	150	1	-14,19673168	-42,61408949
VS	250	1	-14,22093957	-42,78556018
VS	250	1	-14,22520101	-42,7846295
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VS	250	1	-14,21940683	-42,79520299
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VS	250	1	-14,3252547	-42,98590049
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VS	400	1	-14,21425306	-42,80388866
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VS	70	1	-14,22799219	-42,76592605
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VS	250	1	-14,24227008	-42,7596804
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VS	250	1	-14,22142018	-42,77405072
VS	400	1	-14,20139719	-42,756595
VS	400	1	-14,19866818	-42,75685424
VS	400	1	-14,19838795	-42,75686953
VS	70	1	-14,31772341	-42,98381985
VS	250	1	-14,22582717	-42,7866707
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VS	70	1	-14,23305712	-42,74508855
VS	70	1	-14,11518137	-42,78854402
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VS	70	1	-14,27148185	-42,82989891
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VS	250	1	-14,22929647	-42,77916592
VS	250	1	-14,21374079	-42,76952042
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VS	70	1	-14,3141691	-42,90331077
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VS	70	1	-14,21957554	-42,78794665
VS	250	1	-14,22538912	-42,75125485
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VS	70	1	-14,30708439	-43,02937191
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VS	70	1	-14,23271854	-42,74904231
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VS	250	1	-14,23301693	-42,7502397
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VS	250	2	-14,23563795	-42,76968711
VS	250	1	-14,22432753	-42,77246644
VM	80	1	-14,23833285	-42,76668383
VS	250	1	-14,32379264	-42,97767372
VS	250	2	-14,2273201	-42,76825268
VS	250	1	-14,20794429	-42,76086207
VS	250	1	-14,2029977	-42,78133726
VS	250	1	-14,22293246	-42,77609488
VS	70	1	-14,21633237	-42,79262503
VS	250	1	-14,22514175	-42,79072555
ME	250	1	-14,21238667	-42,76349943
ME	250	1	-14,21264995	-42,76333034
VM	80	1	-14,29531683	-43,04522687
VS	250	2	-14,20865152	-42,79410896

VM	125	1	-14,17251579	-42,62261308
VS	70	1	-14,23332871	-42,9671911
VS	250	1	-14,21414765	-42,79036636
VS	250	1	-14,22743126	-42,75754545
VM	80	1	-14,21366098	-42,77741641
VS	250	1	-14,21786343	-42,79950492
VS	250	1	-14,19491384	-42,76770986
VS	250	1	-14,19411498	-42,76984148
VS	70	1	-14,21905422	-42,77318074
VS	250	1	-14,20456129	-42,76156253
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VS	250	1	-14,24202703	-42,76762272
VS	250	1	-14,32147437	-42,97968571
VS	250	1	-14,19786592	-42,75449268
VM	125	1	-14,20021692	-42,79908135
VS	250	1	-14,21996271	-42,79660442
VS	250	1	-14,22724634	-42,78125357
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VS	250	1	-14,21112131	-42,78543366
VS	250	1	-14,20576845	-42,78536425
VS	250	1	-14,17476916	-42,73372564
VS	250	1	-14,17647908	-42,73187913
VS	250	1	-14,19791845	-42,79554184
VS	250	1	-14,2255709	-42,78211905
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VS	70	1	-14,20928417	-42,76367597
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VS	250	1	-14,22187638	-42,79659572
VS	70	1	-14,22293262	-42,79571171
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VS	70	1	-14,31696439	-42,98921524
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VS	70	1	-14,23182159	-42,78440309
ME	250	1	-14,21333768	-42,75962464
ME	250	1	-14,21322589	-42,76295636
VS	70	1	-14,19812058	-42,76128961
VS	70	1	-14,20471493	-42,60310826
VS	250	1	-14,22595489	-42,61866438
VS	250	1	-14,22816747	-42,75632445
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VS	70	1	-14,22656359	-42,75460446
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VS	250	1	-14,22751701	-42,77865933
MT	160	1	-14,25992539	-43,00468729
VS	250	1	-14,19756572	-42,75915767
VS	250	1	-14,19375709	-42,75651147
VS	250	1	-14,21568236	-42,77378043
VS	250	2	-14,23080293	-42,78020916
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VS	400	2	-14,21727841	-42,78265593
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VS	250	1	-14,20462048	-42,78275149
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VS	70	1	-14,25483135	-42,95617329
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VS	400	2	-14,20613432	-42,76151978
MT	160	1	-14,25330383	-42,78391433
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VS	250	1	-14,23245832	-42,7827081
VS	250	1	-14,2150165	-42,76642923
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VM	400	1	-14,12969676	-42,79155112
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VS	250	1	-14,23286293	-42,74978966
VS	250	1	-14,23389961	-42,75090431
VS	250	1	-14,20408172	-42,78426719
VS	250	1	-14,2240313	-42,61710231
VS	250	1	-14,21382619	-42,79569288
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VS	70	1	-14,21897394	-42,78942746
VS	70	1	-14,24202513	-42,75710277
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VM	400	1	-14,22531331	-42,76918405
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VS	70	1	-14,2448135	-42,75887061
VM	125	1	-14,32096349	-43,00784115
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VS	70	1	-14,24632883	-42,76121347

VS	250	1	-14,22580281	-42,78857443
VS	70	1	-14,10017461	-42,79917522
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VM	125	1	-14,11650158	-42,75900837
VS	250	1	-14,21086937	-42,76166238
VS	250	1	-14,22719188	-42,61773707
VM	400	1	-14,20819762	-42,79466343
VS	250	1	-14,21530329	-42,79213952
VS	400	1	-14,20821563	-42,76420065
VS	250	1	-14,19477207	-42,76934355
VS	250	1	-14,2146545	-42,78049676
VS	250	1	-14,22295302	-42,78363932
VS	250	1	-14,19800444	-42,7556927
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VS	250	2	-14,21856405	-42,80127684
VS	250	1	-14,17504224	-42,73336021
VM	125	1	-14,20973104	-42,78755118
VS	70	1	-14,24493976	-42,87407884
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VS	250	1	-14,22124544	-42,78876803
VS	250	1	-14,20347318	-42,78246952
VS	400	2	-14,21139915	-42,7997904
VM	125	1	-14,21993654	-42,79087663
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VS	250	1	-14,21602922	-42,78311504
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VS	70	1	-14,22727656	-42,74944362
VS	70	1	-14,22786568	-42,74947373
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VS	70	1	-14,22848618	-42,74858053
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VS	70	1	-14,20502306	-42,79135193
VS	70	1	-14,2230368	-42,75483375
VS	400	1	-14,21080465	-42,79139072
VS	250	1	-14,23409152	-42,75025372
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VS	250	2	-14,23144585	-42,76594694
VS	400	1	-14,19983782	-42,75783119
VS	250	1	-14,22905466	-42,77846068
VS	70	1	-14,23727325	-42,77004486
VS	250	1	-14,20482939	-42,75822701
VM	125	1	-14,34087661	-42,91487867
VM	125	1	-14,22353955	-42,75595688
VS	250	1	-14,22652144	-42,77898032
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VS	250	1	-14,21923514	-42,76754633
VS	250	1	-14,22980426	-42,78147552
VS	250	2	-14,19534688	-42,73194554
VS	70	1	-14,24283881	-42,75514237
VS	250	1	-14,22262836	-42,92660477
VM	80	1	-14,21888172	-42,77340259
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MT	250	1	-14,22237579	-42,783211
VS	250	1	-14,22237579	-42,783211
VS	250	1	-14,2081554	-42,79103964
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VS	70	1	-14,19831212	-42,78291167
VS	250	1	-14,04241216	-42,9163427
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VS	250	1	-14,21471255	-42,78485288
VS	250	1	-14,32516839	-42,98386408
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VS	70	1	-14,21569635	-42,79155599
VS	250	1	-14,32585052	-42,97849855
VS	250	1	-14,19804412	-42,78264199
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VS	250	1	-14,22989253	-42,77695388
VS	250	1	-14,32241864	-42,9798018
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VS	250	1	-14,32063512	-42,98565617
VS	250	1	-14,22134225	-42,7785548
VS	250	1	-14,22529057	-42,77317244
VS	250	1	-14,21745689	-42,7806083
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VS	250	1	-14,21823675	-42,7854148
VS	70	1	-14,22204278	-42,79863781
VS	250	1	-14,23605407	-42,77745198
VM	125	1	-14,24400972	-42,96384292
VS	250	1	-14,2271186	-42,61810762
VS	400	4	-14,22694935	-42,76427424
VS	400	1	-14,22694935	-42,76427424
VS	250	1	-14,22507168	-42,79113469

VS	250	1	-14,2289749	-42,75284929
VS	250	1	-14,24456088	-42,76020648
VS	400	2	-14,21666748	-42,78354226
VS	250	1	-14,21149406	-42,78480473
VS	250	1	-14,24446566	-42,75728701
VS	250	1	-14,20219421	-42,76136316
VS	250	1	-14,23969853	-42,77158421
VS	70	1	-14,2133352	-42,796711
VS	70	1	-14,22762277	-42,77013993
VS	70	2	-14,08109135	-42,82855867
VS	250	1	-14,20749998	-42,76180719
VS	250	1	-14,21941766	-42,79025238
VS	250	1	-14,22641784	-42,77190816
VS	70	1	-14,22934703	-42,75290799
VS	70	1	-14,28301966	-42,94162172
VS	250	1	-14,23715396	-42,77338124
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VS	70	1	-14,23417235	-42,76435262
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VS	250	1	-14,32993394	-42,9470385
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VS	250	1	-14,20186419	-42,75709903
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VS	250	1	-14,22287959	-42,77405725
LED	10	2	-14,22303697	-42,77695756
VS	400	4	-14,22303697	-42,77695756
VM	125	1	-14,04999821	-42,8968968
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VS	250	1	-14,22166749	-42,77863006
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VS	250	1	-14,19336381	-42,75819196
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VS	250	1	-14,22911123	-42,77496664
VS	250	1	-14,22902935	-42,61693568
VS	400	2	-14,21109949	-42,791334
VM	125	1	-14,26166498	-42,95308295
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VS	250	1	-14,22594796	-42,61626925
VS	70	1	-14,22026818	-42,79953282
VS	400	1	-14,22026818	-42,79953282

VS	250	1	-14,22674091	-42,78374504
VS	250	2	-14,21773914	-42,77165632
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VS	400	1	-14,19838402	-42,75636825
VS	250	1	-14,23177128	-42,78047135
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VS	70	2	-14,31828518	-43,02758027
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VS	70	1	-14,22338911	-42,7549276
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VM	250	1	-14,22852217	-42,77817154
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VS	70	1	-14,19412905	-42,7724859

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VS	250	1	-14,20106437	-42,78488533
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VS	70	1	-14,22645325	-42,75232405
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VS	250	1	-14,12000439	-42,90378349
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VS	250	1	-14,23950647	-42,7727393
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VS	250	1	-14,20022703	-42,7960797
VS	250	1	-14,23824518	-42,76863927
VS	250	1	-14,21984966	-42,78432376
VS	400	1	-14,2242982	-42,79516446
VS	70	1	-14,34873729	-42,71343831
VS	70	1	-14,24832102	-42,60737547
VS	250	1	-14,24683429	-42,87912876
VS	70	1	-14,20466778	-42,79155672
VS	70	1	-14,20960028	-42,76377897
VS	400	2	-14,20431605	-42,75941479
VS	70	1	-14,26182807	-42,95072919
VS	250	1	-14,23014269	-42,76602161
VS	250	1	-14,21005489	-42,78530023
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VS	70	1	-14,19729495	-42,79839628
VS	250	1	-14,24066613	-42,76366072
VS	70	1	-14,22517946	-42,99449686
VS	70	1	-14,31823323	-42,98433868
VS	250	1	-14,31769449	-42,98625984
VS	250	1	-14,21649743	-42,79592353
VS	70	1	-14,29964174	-43,05058677
VS	70	1	-14,22402615	-42,75971635
VS	70	1	-14,21187901	-42,77765139
VS	250	1	-14,22697932	-42,76783741
VS	250	1	-14,21817947	-42,77220759
VS	250	1	-14,21163803	-42,7711352

VM	125	1	-14,29455425	-42,83318732
VS	250	1	-14,21328201	-42,77160415
VS	250	1	-14,22754071	-42,77693548
VS	250	1	-14,22978909	-42,78058569
VS	250	1	-14,25207129	-42,70849811
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VS	70	1	-14,22996263	-42,75431607
VS	250	1	-14,21639101	-42,77475654
VS	250	1	-14,22564265	-42,75136561
VS	250	1	-14,22536606	-42,75246199
VS	400	1	-14,21192861	-42,80366619
VS	250	1	-14,22647792	-42,62002857
VS	250	1	-14,22594134	-42,61974284
VS	250	1	-14,22710458	-42,61653191
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VS	400	2	-14,21064392	-42,78938758
VS	70	1	-14,22839405	-42,77919879
VS	100	1	-14,2224749	-42,76657768
ME	400	1	-14,21407402	-42,74529734
VS	250	1	-14,22661963	-42,78213192
VS	150	2	-14,19964743	-42,78257521
VS	150	1	-14,20030759	-42,78277348
VS	250	1	-14,23537993	-42,76558016
VM	80	1	-14,22137427	-42,77705346
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VM	80	1	-14,21836075	-42,77234426
VS	70	1	-14,21893877	-42,79185558
VS	250	1	-14,23247036	-42,74961718
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VM	400	1	-14,21049011	-42,76963892
VS	250	1	-14,22892472	-42,77948904
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VS	70	1	-14,19516785	-42,80053047
VS	70	1	-14,31748196	-42,98411948
VS	250	1	-14,20136321	-42,90879357
VM	125	1	-14,18123838	-42,77523025
VS	250	1	-14,20074121	-42,78475902
VS	250	2	-14,24086988	-42,76169211
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VM	125	1	-14,2139595	-42,79113392
VS	70	1	-14,11034665	-42,78539854
VS	250	1	-14,21597646	-42,7715484
VS	70	1	-14,32253534	-42,98439967
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VS	250	1	-14,31674009	-42,69508743
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VS	250	1	-14,19567227	-42,79874146
VS	70	1	-14,30339501	-42,95587268
VS	400	2	-14,20986075	-42,77801336
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VS	250	1	-14,22756361	-42,77823314
VS	250	1	-14,20309712	-42,75890102
VS	250	1	-14,20822203	-42,75861632
VS	250	1	-14,22320481	-42,79226894
VS	400	2	-14,21224358	-42,80410289

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VS	250	1	-14,21726284	-42,76513926
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VS	70	1	-14,2204726	-42,74685003
VS	400	1	-14,19824246	-42,75827091
VS	250	1	-14,20868067	-42,78098844
VS	250	1	-14,23982946	-42,76956596
VS	250	2	-14,2415471	-42,76210583
VS	250	1	-14,20209764	-42,78561573
VS	250	1	-14,21709886	-42,78226605
VS	250	1	-14,19728251	-42,75871246
VS	250	1	-14,2279772	-42,62255607
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VS	70	1	-14,20816303	-42,79146598
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VS	250	1	-14,1950585	-42,77071513
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VS	250	1	-14,24028285	-42,76940621
VS	250	1	-14,23720337	-42,76928457
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VS	250	1	-14,22676996	-42,77884752
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VS	70	1	-14,22833361	-42,79733467
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VS	250	1	-14,20871376	-42,78592257
VS	70	1	-14,20836251	-42,78594981
VS	70	1	-14,21944544	-42,75042335
VS	70	1	-14,2435183	-42,76798045
VM	80	1	-14,20993928	-42,77641207
VS	250	1	-14,20864687	-42,77693389
VS	250	1	-14,23835022	-42,76690634
VS	250	1	-14,22376985	-42,7826875
VS	250	1	-14,20908216	-42,78636906
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VS	250	1	-14,20759434	-42,79391992
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VS	250	1	-14,2171495	-42,78792769
VS	250	1	-14,22615075	-42,78744045
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VS	250	1	-14,21218602	-42,77780063
VS	250	1	-14,21383231	-42,79404359
VS	70	1	-14,20822497	-42,78113303
VM	125	1	-14,325861	-42,88734915
VS	400	1	-14,2092942	-42,76900496
VS	250	2	-14,21193459	-42,78004259
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VS	250	1	-14,22924893	-42,77987943
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VS	70	1	-14,2257489	-42,75768194
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VS	250	1	-14,32100022	-42,98396649
VS	250	1	-14,22765623	-42,61998136

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VS	70	1	-14,21882653	-42,78644986
VS	70	1	-14,21022857	-42,78746948
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VS	250	1	-14,20289263	-42,76321028
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VS	70	1	-14,11388794	-42,78815486
VS	70	1	-14,27749854	-42,81604497
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VS	250	1	-14,20231816	-42,78454147
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VS	70	1	-14,1977884	-42,7830372
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VS	250	1	-14,21551821	-42,79819223
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VS	250	1	-14,21955677	-42,77712141
VS	70	1	-14,2462178	-42,92375009
VS	250	1	-14,21650672	-42,7627983
VS	250	1	-14,20833775	-42,77679586
VS	70	1	-14,20536797	-42,79282713
VS	250	1	-14,32050706	-42,98298154
VS	250	1	-14,23379482	-42,77766124
ME	250	1	-14,21357296	-42,76106455
VS	250	1	-14,22692784	-42,78188273
VS	70	1	-14,20517123	-42,80427071
VS	400	2	-14,21114802	-42,79648093
VS	250	1	-14,22074898	-42,77471575
VS	250	1	-14,22749436	-42,78557352
VS	250	1	-14,21415737	-42,7631656
VS	250	1	-14,1777957	-42,81338619
VS	250	1	-14,2156546	-42,78155673
VS	250	1	-14,22686226	-42,77147405
VM	80	1	-14,22333962	-42,7842987
VS	70	1	-14,22333962	-42,7842987
VS	250	1	-14,22843956	-42,76690696
VS	250	1	-14,24031862	-42,77109635
VS	70	1	-14,23613098	-42,76256104
VS	70	1	-14,30525203	-42,96169357
VS	70	1	-14,2248674	-42,78904536
VS	250	1	-14,3253785	-42,97896011

VS	70	1	-14,26019069	-43,0235045
VS	250	1	-14,21972994	-42,77669567
ME	250	1	-14,21199283	-42,74393121
VS	250	1	-14,22009603	-42,77810567
VS	250	1	-14,22169546	-42,77837065
VS	250	2	-14,23494371	-42,77189073
VS	250	1	-14,23320559	-42,78366534
VS	250	1	-14,21366562	-42,77598917
VS	250	1	-14,21419478	-42,78559253
VS	250	1	-14,203072	-42,78349684
VM	125	1	-14,296181	-42,94830986
VS	70	1	-14,25092302	-42,98341677
ME	400	1	-14,21432971	-42,76349825
VS	70	1	-14,2333326	-42,78477181
VS	250	1	-14,22045386	-42,78479851
VS	250	1	-14,21958641	-42,77356254
VS	250	1	-14,21470195	-42,79895861
VS	250	1	-14,23414086	-42,77295076
VS	150	1	-14,19800923	-42,78481699
VS	250	1	-14,21336325	-42,7744404
VS	250	1	-14,22630318	-42,78044862
VS	250	1	-14,19315637	-42,75800148
VS	250	1	-14,19452313	-42,75877214
VS	250	1	-14,19639644	-42,75963438
VS	70	1	-14,13434629	-42,75912095
VS	250	1	-14,22917359	-42,77525418
VS	250	3	-14,22291136	-42,77702163
VS	70	1	-14,26181137	-42,95490965
VS	70	1	-14,2275493	-42,74795618
VS	70	1	-14,24537097	-42,76060248
VS	250	1	-14,2348877	-42,78087735
VS	250	1	-14,22043367	-42,78818132
LED	100	1	-14,28696194	-42,78931228
VS	70	1	-14,28696194	-42,78931228
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VS	250	1	-14,2345397	-42,78212205
VS	250	1	-14,23167138	-42,78281661
VS	250	1	-14,2014874	-42,76285926
VS	250	1	-14,21626324	-42,79470888
VS	250	1	-14,22435301	-42,78406121
VS	250	1	-14,21654868	-42,8009577
VS	250	1	-14,32283342	-42,98227771
VS	250	1	-14,22844823	-42,78143379
VS	400	2	-14,20954957	-42,77391772
VS	250	1	-14,21624076	-42,80111417
VS	250	1	-14,22906519	-42,775226
VS	250	1	-14,32064803	-42,98387224
VS	250	1	-14,23232635	-42,77949402
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VS	250	1	-14,22538789	-42,79815674
VM	125	1	-14,22478185	-42,79886263
VS	250	1	-14,21965216	-42,78389674
VS	70	1	-14,23466298	-42,75121372
VS	70	1	-14,23531362	-42,75036758
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VS	250	1	-14,2270937	-42,75565355
VS	250	1	-14,21565952	-42,79919367
VS	250	1	-14,19792426	-42,75582801
VS	250	1	-14,21553795	-42,7984797
VS	250	1	-14,20697182	-42,76176891

VM	125	1	-14,30321843	-42,94512434
VS	70	1	-14,30856343	-43,02811774
VM	125	1	-14,22596564	-42,75499175
VS	250	1	-14,22596564	-42,75499175
VS	70	1	-14,31752658	-43,03102742
VS	250	1	-14,2297761	-42,77902853
VS	250	1	-14,21764949	-42,77365439
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VS	250	1	-14,24250902	-42,75712858
VS	250	1	-14,21305049	-42,78439303
VS	250	1	-14,19547558	-42,76750787
VS	250	1	-14,24465006	-42,79344394
VS	250	1	-14,1976516	-42,75978748
VS	250	1	-14,19182413	-42,75872007
VS	70	1	-14,12941273	-42,76569617
VM	125	1	-14,1285796	-42,76500792
VS	70	1	-14,22775182	-42,61566713
VS	250	1	-14,237478	-42,77382725
VS	70	1	-14,21560161	-42,77562504
VM	80	1	-14,21706903	-42,77477738
VM	250	1	-14,22846563	-42,75923576
VS	250	1	-14,20226658	-42,75850902
VS	70	1	-14,21812611	-42,77500341
VS	250	1	-14,22515734	-42,62131851
VS	70	1	-14,23051773	-42,76615699
VS	70	1	-14,33520469	-42,97920665
VS	250	1	-14,32023323	-42,97923455
VS	70	1	-14,2241989	-42,780629
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VS	70	1	-14,230456	-42,76730609
VS	250	1	-14,26899681	-42,9172734
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VS	250	1	-14,22725663	-42,78637905
VS	250	1	-14,22860656	-42,77446442
VS	70	1	-14,22444657	-42,75735052
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VS	70	1	-14,21892826	-42,79902894
VS	70	2	-14,2146391	-42,79247559
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VS	250	1	-14,22210914	-42,7873159
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VS	250	1	-14,1978429	-42,80045987
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VS	70	1	-14,30383715	-42,97832926
ME	250	1	-14,21235871	-42,76070025
VS	70	1	-14,23549692	-42,76292967
VS	70	1	-14,22086803	-42,78735277
VS	250	1	-14,21374175	-42,78588754
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VS	70	1	-14,19510291	-42,78248428
VS	70	1	-14,19431546	-42,78429404
VS	70	1	-14,1286514	-42,73037523
VS	70	1	-14,21471937	-42,60507216
VS	70	1	-14,33313075	-42,89528083
VS	250	1	-14,21306379	-42,78033376
VS	400	1	-14,21085796	-42,79090666
VS	250	1	-14,22584601	-42,77666703

VM	125	1	-14,32318363	-42,98285408
VM	250	1	-14,12831257	-42,80100291
VM	125	1	-14,17212583	-42,6226148
VS	250	1	-14,21322811	-42,74741452
VS	250	1	-14,23073867	-42,78050553
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VS	250	1	-14,19382697	-42,75845585
VS	250	1	-14,21875261	-42,76889525
ME	250	1	-14,31777468	-42,98187181
VS	250	1	-14,21238801	-42,79954002
VS	70	1	-14,20841727	-42,77466521
VS	250	1	-14,21608123	-42,79745277
VS	250	2	-14,23093918	-42,78001498
VS	250	1	-14,22206275	-42,77940995
VS	70	1	-14,23353504	-42,78506994
VS	250	1	-14,22036206	-42,77386723
VS	250	1	-14,20156985	-42,75868279
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VS	250	1	-14,21401405	-42,79376619
VS	70	1	-14,23949614	-42,93959698
VM	125	1	-14,21994043	-42,76447631
VS	70	1	-14,31668977	-42,94642807
VS	250	1	-14,22752738	-42,75574768
VS	70	1	-14,21178766	-42,78589508
VS	250	1	-14,21547378	-42,79252937
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VS	250	1	-14,2178225	-42,78766254
VS	70	1	-14,2235867	-42,76949807
VS	70	1	-14,33725035	-42,99293367
VS	70	1	-14,23098242	-42,75092027
VS	70	1	-14,21917465	-42,78918126
VS	150	1	-14,1983333	-42,78508287
VS	150	1	-14,19813371	-42,78608889
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VS	250	1	-14,17725208	-42,73336545
VS	250	1	-14,1764688	-42,7350284
VS	250	1	-14,20739015	-42,75163841
VS	250	1	-14,20524671	-42,78158027
VS	250	1	-14,22453539	-42,78358916
VS	250	1	-14,2192131	-42,78818637
VS	250	1	-14,21437024	-42,78447172
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VM	80	1	-14,26212935	-42,89586462
VS	70	1	-14,26543636	-42,89294119
VS	250	1	-14,20221581	-42,76026041
VS	70	1	-14,22446438	-42,7551258
VS	70	1	-14,19443887	-42,78333124
VS	250	1	-14,22109896	-42,78658023
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VS	70	1	-14,24506169	-42,76124843
VS	70	1	-14,24653028	-42,7581741
VM	125	1	-14,32274669	-42,89063836
VM	125	1	-14,32339677	-42,88852363
PL	45	1	-14,19382786	-42,881205
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VS	250	1	-14,23058288	-42,75587832

VS	70	1	-14,31787033	-42,98719825
VS	250	1	-14,20197383	-42,75998853
VS	70	1	-14,2207812	-42,80101058
VS	250	1	-14,22307332	-42,79102654
VS	70	1	-14,24191083	-42,7589284
VS	70	1	-14,22877784	-42,76621602
VS	250	1	-14,24075466	-42,75858159
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VS	70	1	-14,22094414	-42,76609929
VS	250	1	-14,21572099	-42,76400218
VS	70	1	-14,20756546	-42,7917234
VS	70	1	-14,22140183	-42,78520958
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VS	250	1	-14,21399405	-42,80043556
VS	250	2	-14,21848513	-42,80323814
VS	400	2	-14,20450521	-42,75963784
VS	250	1	-14,23770204	-42,76084109
VS	70	1	-14,28854419	-42,77039877
VM	125	1	-14,2147781	-42,94660126
VS	250	1	-14,22254011	-42,79368467
VS	70	1	-14,20742596	-42,79561531
MT	160	1	-14,12797512	-42,89259589
VS	250	2	-14,22853531	-42,76755256
VS	70	1	-14,23337255	-42,74532816
VS	250	1	-14,2071675	-42,79449303
VS	250	1	-14,25269985	-42,70919353
VS	150	1	-14,19895207	-42,78428505
VS	250	1	-14,2121646	-42,76765226
VS	250	1	-14,21513113	-42,79497491
VS	250	1	-14,22659619	-42,77573839
VS	70	1	-14,22291774	-42,75531531
VS	70	1	-14,20826572	-42,77500677
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VS	250	1	-14,20904465	-42,77069084
VS	250	2	-14,22270802	-42,76917989
VM	125	1	-14,21275931	-42,83860381
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VS	70	1	-14,19184096	-42,7582616
VS	250	1	-14,19782522	-42,75541232
VS	70	1	-14,29749805	-42,8269564
VS	250	1	-14,22445161	-42,77396259
VS	250	1	-14,24325379	-42,9918508
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VM	125	1	-14,21161921	-42,77694606
VS	250	1	-14,32004274	-42,98376762
VS	250	1	-14,3203228	-42,9838152
VS	250	1	-14,31776455	-42,98359862
VS	250	1	-14,21225301	-42,79134496
MT	160	1	-14,24526106	-42,65342703

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VS	250	1	-14,22916205	-42,77602343
VS	250	1	-14,21395739	-42,7680115
VS	250	2	-14,21826514	-42,78133685
VS	250	1	-14,22428057	-42,75607056
VS	250	1	-14,21420245	-42,78905162
VS	70	1	-14,20868858	-42,78755666
VS	70	1	-14,2468565	-42,75828197
VS	70	1	-14,22255347	-42,75328434
VS	70	1	-14,24139927	-42,7652697
VS	400	1	-14,08955774	-42,86335286
VS	250	1	-14,22256988	-42,78192338
VS	70	1	-14,21377658	-42,79720374
VS	70	1	-14,18859444	-42,89318605
VS	250	1	-14,31435458	-43,02061562
VS	250	1	-14,21606235	-42,78952859
VS	150	1	-14,19792462	-42,78431544
VS	150	1	-14,19863686	-42,78528733
VS	250	1	-14,23894198	-42,77403615
VM	125	1	-14,21078523	-42,78315263
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VS	250	1	-14,21323706	-42,79902762
VM	80	1	-14,22629027	-42,77778391
VS	70	1	-14,21023651	-42,78780315
VM	80	1	-14,2371664	-42,77233391
VS	150	1	-14,22880932	-42,79360216
VS	250	1	-14,20138084	-42,7584134
VS	250	1	-14,21859573	-42,79442164
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VS	250	2	-14,22318476	-42,79286204
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VS	250	1	-14,0532713	-42,89683541
VS	250	1	-14,23170368	-42,75405963
VS	70	1	-14,23316088	-42,75299123
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VS	400	1	-14,19742116	-42,75787154
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VS	150	1	-14,19898246	-42,78609765
VS	150	1	-14,19951678	-42,78626704
VS	250	2	-14,21749569	-42,77145159
VS	400	1	-14,21958849	-42,80022842
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VS	250	1	-14,22163994	-42,7675915
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VS	250	1	-14,2144349	-42,77016226
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VS	400	1	-14,19741651	-42,75834045
VS	250	1	-14,21284302	-42,80060177
VS	250	1	-14,22060159	-42,77276893
VS	250	1	-14,21536487	-42,77055466
VS	70	1	-14,32176099	-43,03184425
VS	70	1	-14,2256081	-42,78455676
LED	0	4	-14,22562368	-42,77980214
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VS	70	1	-14,31462986	-42,91050747
VS	250	1	-14,2263377	-42,78897835
VS	250	1	-14,22155509	-42,78258721
VS	250	1	-14,22953473	-42,75568019
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VS	250	1	-14,22469548	-42,78439605
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VS	250	1	-14,226186	-42,62210915
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VS	250	1	-14,21456599	-42,79635385
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VS	250	1	-14,21442951	-42,79389739
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VS	70	1	-14,22034392	-42,7501745
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VS	250	1	-14,20522229	-42,78177638
VS	250	1	-14,23612263	-42,76118246
VS	70	1	-14,10536175	-42,87334238
VS	70	1	-14,22589875	-42,7873924
VS	70	1	-14,22869622	-42,79685629
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VS	250	1	-14,31872841	-42,98022011
VS	250	1	-14,21773385	-42,7980239
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VS	400	1	-14,19952905	-42,76507233

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VS	250	1	-14,22107354	-42,7888045
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VS	250	1	-14,21397819	-42,76643556
VS	250	1	-14,22070326	-42,78318671
VS	70	1	-14,20693314	-42,75809823
VS	70	1	-14,19653122	-42,76773671
VS	70	1	-14,24292976	-42,7921272
VS	250	1	-14,24397076	-42,79351322
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VS	250	1	-14,21275859	-42,77130581
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VS	70	1	-14,1958684	-42,78345931
VS	250	1	-14,2157059	-42,79613541
VS	250	1	-14,23771967	-42,77178892
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VS	70	1	-14,23051358	-42,74935612
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VS	250	1	-14,21330842	-42,76369687
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VS	400	2	-14,21642032	-42,78389424
VS	400	2	-14,2155341	-42,78518964

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VS	250	1	-14,21866185	-42,79628475
VS	250	1	-14,20307694	-42,78474796
VS	150	1	-14,21733696	-42,76740091
VS	70	1	-14,28356321	-42,95359619
VS	70	1	-14,31923545	-42,98659199
VS	250	1	-14,20052897	-42,78424803
VS	70	1	-14,20188561	-42,7617421
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VS	250	1	-14,21184897	-42,78685414
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VS	250	2	-14,20700729	-42,7592055
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VS	400	1	-14,07430502	-42,82066366
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VS	250	2	-14,23506435	-42,61325815
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VS	70	1	-14,19673803	-42,78324961
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VM	125	1	-14,28197773	-42,68245785
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VS	150	1	-14,20637047	-42,95105376
VS	70	1	-14,0003185	-42,88429729
VS	70	1	-14,2821518	-42,71252367
VS	70	1	-14,28209339	-42,69868217
VS	70	1	-14,28528606	-42,70748087
VM	250	1	-14,0654596	-42,91602183
VS	70	1	-14,24423776	-42,76633241
VS	70	1	-14,04734359	-42,93651392
VS	250	1	-14,04680961	-42,93665993
VS	70	1	-14,08855779	-42,82356573
VS	250	1	-14,09411485	-42,92420821
VS	250	1	-14,1118593	-42,82022148
VS	70	1	-14,13646051	-42,93795072
VS	70	1	-14,24856233	-42,67703428
VS	70	1	-14,21574362	-42,90260442
VS	70	1	-14,08619317	-42,82234387
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VS	70	1	-14,24468229	-42,76808421
VS	250	1	-14,24313633	-42,76572472
VS	70	1	-14,24341242	-42,76505698
VS	250	1	-14,04299596	-42,91736369

VS	70	1	-14,10064236	-42,81663369
VS	70	1	-14,31435718	-42,86238592
VS	250	1	-14,23516132	-42,77726736
VS	250	1	-14,23658571	-42,77575213
VS	70	1	-14,2151972	-42,76694671
VS	70	1	-14,28211855	-42,71155014
VS	250	1	-14,23671355	-42,77455754
VS	250	1	-14,19698468	-42,75883185
VS	70	1	-14,34017024	-42,90812523
VS	70	1	-14,27009056	-42,61692471
VM	125	1	-14,26180391	-42,95677278
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VS	250	1	-14,32740486	-42,97670232
VM	125	1	-14,11862489	-42,67717982
VS	70	1	-14,20553372	-42,79428808
VS	250	1	-14,20086276	-42,75668118
VS	70	1	-14,22079626	-42,78515188
VS	250	1	-14,20134359	-42,78435527
VS	250	1	-14,22235133	-42,77686216
VS	250	1	-14,22868511	-42,76719205
VS	250	1	-14,21951124	-42,78825227
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VS	250	1	-14,22049647	-42,7869321
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VS	250	1	-14,21599729	-42,79822172
VS	250	1	-14,23077782	-42,77490243
VS	70	2	-14,2154422	-42,79152952
VS	70	1	-14,23244015	-42,7713212
VS	70	1	-14,22409728	-42,75884231
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VS	70	1	-14,22359215	-42,75750339
VS	70	1	-14,22318887	-42,75842665
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VS	250	1	-14,22400999	-42,78664589
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VS	250	1	-14,21094885	-42,78288442
VS	70	1	-14,20188288	-42,79717625
VS	70	1	-14,20226352	-42,79701058
VS	70	1	-14,2065286	-42,79058378
VS	250	2	-14,23189823	-42,77703377
VS	250	1	-14,22928892	-42,78147375
VS	250	1	-14,21224422	-42,77379712
VS	70	1	-14,22892389	-42,76103539
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VS	70	1	-14,14690943	-42,79313911
VM	125	1	-14,16302768	-42,62020421
VS	250	1	-14,20108195	-42,60980519
VS	250	1	-14,22178048	-42,78278261
VS	70	1	-14,21372474	-42,79648067
ME	400	1	-14,21434995	-42,74538527
ME	400	1	-14,21444282	-42,74512069
VS	250	1	-14,23606467	-42,76581715
VS	250	1	-14,20284306	-42,75918747
VS	250	1	-14,21387551	-42,79529908
VS	70	1	-14,32120075	-42,97919238
VS	70	1	-14,15620526	-42,87019627
VS	250	1	-14,23664869	-42,76464827
VS	250	1	-14,22968325	-42,7542587
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VS	400	2	-14,2096789	-42,77585512
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VS	250	1	-14,20742721	-42,75787819
VS	250	1	-14,23748221	-42,76973042
VS	70	1	-14,22886095	-42,9106519
VS	250	1	-14,23814634	-42,76281806
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VS	250	1	-14,21251913	-42,78651354
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VS	250	1	-14,32248456	-42,98137682
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VS	70	1	-14,20517511	-42,78585171
VS	250	1	-14,32310903	-42,97902447
VM	125	1	-14,20500425	-42,77596896
VS	150	1	-14,1979499	-42,78452153
VS	70	1	-14,22833644	-42,64230843
VS	250	1	-14,24226788	-42,75752996
VS	250	1	-14,21399676	-42,78532308
VS	250	1	-14,24060326	-42,7578581
VS	70	1	-14,20159897	-42,79885905
VS	250	1	-14,24417446	-42,75787927
MT	250	1	-14,13077853	-42,80201356
VS	70	1	-14,14042007	-42,79908838
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VS	70	1	-14,29689652	-43,04371376
VM	80	1	-14,2261024	-42,78270478
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VS	250	1	-14,23132394	-42,75700673
VM	125	1	-14,217975	-42,78802453
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VS	400	2	-14,21019723	-42,78325255
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VS	250	1	-14,20751769	-42,75979551
VS	250	1	-14,22736544	-42,77756374
VS	250	1	-14,24314029	-42,76344676
VS	250	1	-14,21920558	-42,79590666
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VS	70	1	-14,23037489	-42,74901152
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VS	250	1	-14,1993416	-42,78322704
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VS	70	1	-14,19642752	-42,78270762
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VS	250	1	-14,22501732	-42,61662524
VS	250	1	-14,32343645	-42,98074119
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VS	250	2	-14,22508919	-42,76332039
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VS	70	1	-14,27656846	-42,82447553
VS	70	1	-14,23468379	-42,76275084

VS	250	1	-14,22062205	-42,79680135
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VS	70	1	-14,21092348	-42,76278248
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VS	250	1	-14,21971993	-42,79348948
VS	250	1	-14,32365031	-42,97930497
VS	250	1	-14,21581575	-42,78754439
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VS	250	1	-14,20289811	-42,7627397
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VS	70	1	-14,32184503	-43,03673593
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VS	250	1	-14,21155196	-42,76726003
VS	250	1	-14,23022714	-42,7591154

VS	70	1	-14,20561355	-42,7884195
VS	70	1	-14,24139832	-42,81558812
VS	250	1	-14,22303748	-42,76588779
VS	70	1	-14,20557417	-42,79348751
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VS	70	1	-14,22275007	-42,76718216
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VS	250	1	-14,23206181	-42,76890312
VS	250	1	-14,21311888	-42,79686622
VM	125	1	-14,23189786	-42,76469265
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VS	70	1	-14,23176938	-42,77592637
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PL	46	1	-14,16927555	-42,93966932
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VS	70	1	-14,27960518	-42,66783998
VS	70	1	-14,10833954	-42,8724366
VS	70	1	-14,03982631	-42,90588778
VS	70	1	-14,23516529	-42,89007617
VS	70	1	-14,24718189	-42,67700931
VS	250	1	-14,28530318	-42,65408006
VS	70	1	-14,28558904	-42,71199676
VS	70	1	-14,0942896	-42,81835262
VS	250	1	-14,2842464	-42,71351297
VS	70	1	-14,25144723	-42,67957097
VS	70	1	-14,28365239	-42,70958026
VS	70	1	-14,24552758	-42,76303043
VS	70	1	-14,24473907	-42,76176967
VS	250	1	-14,18160067	-42,9482449
VS	250	1	-14,18162105	-42,94766121
VS	250	1	-14,22115974	-42,77004272
VS	250	1	-14,21627424	-42,78283784
VS	250	1	-14,2137689	-42,79135569
VS	400	2	-14,20915264	-42,76804063

VS	250	1	-14,21271639	-42,78701469
MT	500	1	-14,20450641	-42,75931645
VS	250	1	-14,2021745	-42,79517996
ME	400	1	-14,1493322	-42,75878229
MT	160	1	-14,22777588	-42,59151553
VS	250	1	-14,22604814	-42,62032715
VS	250	1	-14,21583797	-42,77522732
VS	70	1	-14,24249153	-42,96904102
VS	250	1	-14,22193676	-42,7902348
VS	70	1	-14,22185388	-42,78795453
VS	250	1	-14,21619945	-42,80251126
VS	250	1	-14,22081603	-42,79472587
VS	250	1	-14,23201485	-42,78008355
VS	70	1	-14,21834724	-42,78755314
VS	250	1	-14,23974375	-42,7608862
VS	70	1	-14,3079032	-43,02817965
VS	250	1	-14,32597457	-42,98348743
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VS	250	1	-14,22115204	-42,77588491
VS	250	1	-14,23329746	-42,77413447
VS	250	1	-14,3238278	-42,98230057
VS	250	1	-14,3238278	-42,98230057
VS	70	1	-14,21193083	-42,79855622
VS	70	1	-14,22433688	-42,75878221
VS	70	1	-14,22478649	-42,75924036
VS	70	1	-14,22515511	-42,75718614
VS	70	1	-14,22286381	-42,75877842
VS	70	1	-14,22249164	-42,75856252
VS	70	1	-14,22202952	-42,75882597
VS	250	1	-14,22222743	-42,77881734
VS	70	1	-14,22092576	-42,78426258
VM	80	1	-14,21499844	-42,77482595
VS	250	1	-14,21372925	-42,77902147
VS	70	1	-14,23642844	-42,76097382
VS	70	1	-14,227746	-42,7638121
VS	250	1	-14,22824586	-42,78248971
VS	250	2	-14,21618796	-42,78708228
VS	70	1	-14,21618796	-42,78708228
VS	250	1	-14,32188215	-42,9799609
VS	250	1	-14,23595614	-42,76574634
VM	400	1	-14,21256101	-42,76527176
VS	250	1	-14,21580429	-42,7716683
VS	70	1	-14,05814424	-42,79363261
VS	250	1	-14,2251002	-42,75113035
VS	250	1	-14,22503668	-42,75229574
VS	250	1	-14,18056532	-42,85117897
VS	250	1	-14,21586281	-42,80596099
VS	250	2	-14,21227249	-42,78177683
VS	70	1	-14,14959897	-42,79142867
VS	70	1	-14,21287692	-42,60384832
VM	125	1	-14,16742075	-42,61712117
VS	250	1	-14,2273336	-42,61537394
VS	250	1	-14,20366279	-42,78579859
VS	70	1	-14,22928813	-42,75160074
VS	250	1	-14,06583715	-42,91652124
PL	45	1	-14,23160183	-42,93277372
VS	70	1	-14,20765139	-42,78574088
VS	70	1	-14,2033545	-42,79250161
VS	250	1	-14,22673855	-42,77494225
VS	70	1	-14,21206871	-42,79628118
VS	70	1	-14,24019831	-42,76702269

VS	70	1	-14,20417274	-42,79072296
VS	250	1	-14,20156579	-42,78582278
VS	70	1	-14,19474077	-42,77461135
VS	70	1	-14,19535063	-42,77474001
VS	70	1	-14,23277238	-42,78365254
VS	250	1	-14,19909452	-42,80464639
VS	250	1	-14,23460979	-42,77201148
VS	250	1	-14,22817462	-42,77199401
VS	250	1	-14,21222304	-42,77196238
VM	125	1	-14,2215508	-42,76542225
VS	70	1	-14,30629744	-42,94458007
VS	70	1	-14,22174858	-42,79365207
MT	160	1	-14,17517532	-42,80242671
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VS	70	1	-14,22830678	-42,76410696
VS	250	1	-14,22697051	-42,7700366
VM	80	1	-14,22255578	-42,66737356
VS	70	1	-14,04088724	-42,92505092
VS	250	1	-14,23129086	-42,77552916
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VS	70	1	-14,20697562	-42,78759217
VS	70	1	-14,20661556	-42,78702717
VS	250	1	-14,22990136	-42,75895443
VS	250	1	-14,22932202	-42,77180308
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VS	250	1	-14,22296159	-42,76626716
ME	400	1	-14,22436492	-42,76489831
ME	400	1	-14,22366065	-42,76491458
ME	400	1	-14,22389966	-42,76405139
VS	250	1	-14,31764009	-42,98083595
ME	400	1	-14,22348015	-42,76453202
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VS	70	1	-14,21232165	-42,77180211
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VS	70	2	-14,20618721	-42,78545558
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VS	250	1	-14,21210581	-42,76574428
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VS	250	1	-14,22517172	-42,92342875
VS	250	1	-14,22633918	-42,77486739
VS	70	1	-14,23364272	-42,76175337
VS	70	1	-14,1958583	-42,77490725
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VS	70	1	-14,22696108	-42,75926708
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VS	70	1	-14,20562554	-42,78818248
VS	250	1	-14,22692174	-42,76422632
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VS	70	1	-14,22159479	-42,75718478
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VS	250	1	-14,22854605	-42,75668718
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VS	70	1	-14,3190624	-43,0378635
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VS	250	1	-14,04936703	-42,89155073
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VS	250	1	-14,2267825	-42,78759158
VM	125	1	-14,19586596	-42,61645146
VM	125	1	-14,33914294	-42,98876519
VS	250	1	-14,23125779	-42,75173459
VM	125	1	-14,349426	-42,97470609
VS	250	1	-14,21311441	-42,79595481
VS	70	1	-14,27202557	-42,95425066
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VS	250	1	-14,22018768	-42,78325908
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VS	70	1	-14,23363847	-42,74535007
VS	250	1	-14,24163786	-42,75662876
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VS	70	1	-14,11464812	-42,86093663
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VM	125	1	-14,22175473	-42,92693291
VS	70	1	-14,05823392	-42,89019285
VS	70	1	-14,20446718	-42,78974571
VS	70	1	-14,24080049	-42,75838709
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VS	400	1	-14,22528437	-42,79223911
ME	250	1	-14,21788802	-42,76152513
VS	70	1	-14,24010947	-42,7596083
VS	400	2	-14,2057934	-42,76111568
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VS	250	1	-14,17716779	-42,73384518
VS	250	1	-14,20000455	-42,75717219
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VM	125	1	-14,10585063	-42,87315897

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VS	70	1	-14,20921262	-42,79936569
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VS	250	1	-14,19494717	-42,76002341
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VS	250	1	-14,20237639	-42,78332763
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VS	70	1	-14,32188519	-42,98421141
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VS	250	1	-14,32568729	-42,98335025
VS	70	1	-14,22107046	-42,79246542
VS	250	2	-14,22346212	-42,78828448
VS	250	1	-14,21317836	-42,7784713
VS	250	1	-14,22535522	-42,77456282
VS	250	1	-14,20275875	-42,78252268
VS	250	1	-14,21470703	-42,79743869
VS	70	1	-14,21208059	-42,79811171
VS	250	1	-14,20925761	-42,76066386
VS	70	1	-14,28888933	-42,81681585
VS	250	1	-14,22785385	-42,77246571
VS	400	1	-14,22010672	-42,77406748

VM	125	1	-14,17584083	-42,63086107
VS	70	1	-14,2269834	-42,75419275
VS	250	1	-14,22189909	-42,79341366
VS	250	1	-14,23451346	-42,7464245
VS	70	1	-14,23273106	-42,74591036
VS	70	1	-14,19703198	-42,79930428
VS	250	1	-14,22729338	-42,75825866
VS	250	1	-14,23796573	-42,77397721
VS	70	1	-14,21904673	-42,78654534
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VS	250	1	-14,20342874	-42,76265547
VS	250	1	-14,2089665	-42,75838302
VS	250	1	-14,21259618	-42,79328859
VS	70	1	-14,22374065	-42,78607033
VS	70	1	-14,22791868	-42,79788626
VS	70	1	-14,24125755	-42,78733755
VS	250	1	-14,19791997	-42,753521
VS	70	1	-14,20281359	-42,60476502
VS	70	1	-14,25451325	-42,99961175
VS	250	1	-14,31594508	-42,98314957
VS	70	1	-14,24237331	-42,94138381
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VS	250	1	-14,20041657	-42,76027294
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VS	400	1	-14,22237363	-42,79752113
VS	150	1	-14,21986318	-42,76904989
MT	160	1	-14,18733979	-42,88402426
VS	250	1	-14,21539338	-42,78739882
VM	125	1	-14,28741631	-42,92537468
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VS	250	1	-14,21878725	-42,77465347
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VS	70	1	-14,20920953	-42,79010401
VS	150	1	-14,19872381	-42,78331037
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VS	250	1	-14,21836257	-42,78012947
VS	250	1	-14,22338693	-42,78365935
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VS	70	1	-14,22389379	-42,76959179
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VS	250	2	-14,22602542	-42,76695536
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VS	250	1	-14,21381848	-42,8008925
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VS	250	1	-14,3213394	-42,9828368
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VS	70	1	-14,22360403	-42,78637571
VS	250	2	-14,22873835	-42,76367269
VS	250	1	-14,2257576	-42,77198007
VS	250	1	-14,23712614	-42,76518747
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ME	250	1	-14,21701039	-42,7871778
VS	250	1	-14,21854728	-42,78225787
VS	70	1	-14,25667421	-42,83061353
VS	250	1	-14,21841192	-42,76487434
VS	70	1	-14,22930977	-42,75756801
VS	70	1	-14,2302818	-42,76340852

VS	70	1	-14,24509998	-42,76250769
VS	250	1	-14,23750903	-42,7726224
VS	250	1	-14,21526323	-42,78235243
VS	250	1	-14,22087417	-42,78697251
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VS	250	1	-14,32709389	-42,97726564
VS	70	1	-14,21463849	-42,78908482
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VS	250	1	-14,21182668	-42,78262794
VS	250	1	-13,98935492	-42,91717893
VS	250	1	-14,1967171	-42,75887553
VS	70	1	-14,12727328	-42,76436608
VS	250	1	-14,237197	-42,77404875
VS	250	1	-14,32067598	-42,97929209
VS	70	1	-14,20006522	-42,79639608
VS	250	1	-14,21650996	-42,76703612
VS	250	2	-14,23516297	-42,77118705
VS	70	1	-14,20975599	-42,78820927
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ME	250	1	-14,22129804	-42,76202227
VS	250	1	-14,21654442	-42,80233518
VS	70	1	-14,22630164	-42,78535623
VS	70	1	-14,21086892	-42,7756803
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VS	250	1	-14,22983781	-42,75704368
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VS	70	1	-14,120174	-42,75997091
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VS	250	1	-14,21748239	-42,80398949
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VS	250	1	-14,21368017	-42,77707357
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VS	250	1	-14,21569532	-42,77181622
VS	250	1	-14,19677852	-42,75954947
VS	250	1	-14,22508614	-42,62088269
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VS	250	1	-14,22067132	-42,78189832
VS	250	1	-14,22739402	-42,78584196
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VS	70	1	-14,19829189	-42,79845852
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VS	70	1	-14,2269787	-42,74914067
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VS	70	1	-14,22793807	-42,74812929
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VS	70	1	-14,23471119	-42,75192322
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VS	70	1	-14,21702455	-42,76332191
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VS	250	1	-14,21106656	-42,79921463
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VS	250	1	-14,21873884	-42,80344822
VM	80	1	-14,20548618	-42,76651748
VS	250	1	-14,20653436	-42,78496958
VS	250	1	-14,241172	-42,76096513
VS	250	1	-14,32321512	-42,98179722
VS	70	1	-14,24197478	-42,81455531
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VS	70	2	-14,2382263	-42,72279838
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VS	70	1	-14,19603291	-42,76758416
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VS	250	1	-14,21578633	-42,78274348
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VS	70	1	-14,24499057	-42,76279467
VS	250	1	-14,23024641	-42,78049652
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VS	250	1	-14,19387927	-42,75781317
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VS	250	1	-14,21791182	-42,77972939
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VS	400	2	-14,21024143	-42,78355854
VS	70	1	-14,20081882	-42,76254119
VS	70	1	-14,2823983	-42,71172716
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VS	250	1	-14,2116539	-42,78293318
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VM	125	1	-14,22598673	-42,78489173
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VS	250	1	-14,21956751	-42,77926433
VM	250	1	-14,27021166	-43,00741031
VS	150	1	-14,22025697	-42,77259101
VS	250	2	-14,21961688	-42,78086594
VS	70	1	-14,20132936	-42,79942916
VS	70	1	-14,22484547	-42,75194615
VS	70	1	-14,21892284	-42,78572932
VS	250	1	-14,23779281	-42,77710951
VS	250	1	-14,2275621	-42,61792345
VS	70	1	-14,19542951	-42,80068893
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VS	70	1	-14,21059551	-42,77763052
VM	125	1	-14,12038424	-42,68857241
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VS	250	1	-14,23468356	-42,7656427
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VS	250	1	-14,19944269	-42,78325176
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VS	250	1	-14,23546613	-42,76776538
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VS	250	1	-14,32308073	-42,98149994
VS	250	1	-14,2313356	-42,75580972
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VS	250	1	-14,22741809	-42,77572089
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VS	250	1	-14,21418263	-42,79473064
VS	250	1	-14,19900463	-42,75818679
VS	250	1	-14,22540002	-42,78772795
ME	400	1	-14,21972487	-42,7670753
VS	400	1	-14,21003846	-42,75523258

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VM	125	1	-14,2243831	-42,7522338
VS	250	1	-14,21815347	-42,78873878
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VS	70	1	-14,2280544	-42,75491526
ME	250	1	-14,21468697	-42,75931764
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VS	250	1	-14,19609301	-42,61369344
VS	250	1	-14,24284073	-42,75934862
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VS	250	1	-14,22995557	-42,86184202
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ME	250	1	-14,21430945	-42,78851862
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VS	250	1	-14,23862116	-42,77535912
VS	250	1	-14,21352092	-42,76670613
VS	250	1	-14,283766	-42,81532503
VS	250	1	-14,23853401	-42,76341526
VS	70	1	-14,23420405	-42,74539085
VS	70	1	-14,20519959	-42,79035202
VS	250	1	-14,22507889	-42,78341178
VS	250	1	-14,22644565	-42,77992924
VS	250	1	-14,22405163	-42,77946309
VS	250	1	-14,23891939	-42,76422026
VS	250	1	-14,22263883	-42,78844846
VS	70	2	-14,22451094	-42,75469961
VS	250	1	-14,22516014	-42,77170852
VS	250	1	-14,22631698	-42,77225983
VS	250	1	-14,22567609	-42,7525455
VS	250	1	-14,19738592	-42,75475002

VS	250	1	-14,19727305	-42,75556229
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VS	70	1	-14,06613892	-42,90439446
VS	250	1	-14,23416032	-42,76767691
VS	250	1	-14,2374638	-42,76730729
VM	400	1	-14,22596165	-42,78427066
VS	70	1	-14,20857048	-42,76349749
VS	250	1	-14,21559638	-42,78670479
VS	70	1	-14,29036321	-42,92431417
VS	250	1	-14,2186974	-42,77168737
VS	250	1	-14,21486655	-42,77935067
VS	250	1	-14,2136575	-42,78125331
VS	70	1	-14,21966354	-42,79955063
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VS	70	1	-14,23326533	-42,78584211
VS	70	1	-14,22960846	-42,74932877
VS	70	1	-14,20487498	-42,79260207
VS	70	1	-14,23301698	-42,74644805
VS	250	1	-14,23448541	-42,74617165
VS	70	1	-14,20811232	-42,79312471
VS	250	1	-14,22574125	-42,78255525
VS	70	1	-14,33219398	-42,94924792
VS	250	1	-14,22607156	-42,77831146
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VS	250	1	-14,22067796	-42,78538318
VS	70	1	-14,23623235	-42,77320201
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VS	250	1	-14,22668931	-42,61688271
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VS	70	1	-14,20796221	-42,75672762
VS	250	1	-14,2267091	-42,78791572
VS	70	1	-14,11788501	-42,67664032
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VS	250	1	-14,20510993	-42,78334323
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VS	70	1	-14,22184453	-42,94996888
VS	250	1	-14,23778531	-42,76271007
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VS	70	1	-14,23102108	-42,75454509
VS	70	1	-14,2614441	-42,96529915
VS	400	8	-14,20663399	-42,7917943
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VS	250	1	-14,22589425	-42,78276895
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VS	250	1	-14,19713278	-42,75851688
VS	250	1	-14,19616598	-42,75895099
VS	70	1	-14,33950112	-42,92918088
VM	125	1	-14,33978237	-42,91025641

VS	70	1	-14,24956019	-42,9711216
VM	80	1	-14,25076404	-42,97489541
VM	125	1	-14,2522525	-42,97664473
VS	70	1	-14,232605	-42,77351928
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VS	70	1	-14,22651504	-42,78132576
VS	70	1	-14,10857798	-42,77806412
VS	70	1	-14,22783415	-42,76338697
VS	70	1	-14,22302203	-42,76796689
VS	250	1	-14,2182501	-42,78959178
VS	250	1	-14,22615065	-42,77065602
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VS	250	1	-14,23343113	-42,77829027
VS	70	1	-14,22552157	-42,75532394
VS	70	1	-14,20497928	-42,80451692
VS	70	2	-14,03235297	-42,91847497
VS	250	1	-14,20547664	-42,79530324
VS	250	1	-14,23699432	-42,76400061
VS	70	1	-14,2231818	-42,75735058
VS	250	1	-14,23838215	-42,75949751
VM	80	1	-14,20542911	-42,79151126
VS	250	1	-14,2138395	-42,78089249
VS	70	1	-14,23536004	-42,77454301
VS	250	1	-14,2431041	-42,75897873
VS	250	1	-14,21502463	-42,80249081
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VS	70	1	-14,20115305	-42,76251886
VS	70	1	-14,11406193	-42,8616093
VS	250	1	-14,21582723	-42,78129782
VS	250	1	-14,20283237	-42,78488613
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VM	125	1	-14,14598874	-42,79249144
VS	250	1	-14,20586223	-42,78180119
VS	70	1	-14,22847393	-42,76230368

VS	150	1	-14,19944038	-42,78160986
VS	150	1	-14,19971999	-42,78236583
VS	70	1	-14,20973668	-42,75362584
VS	250	1	-14,23352314	-42,75009771
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VS	400	4	-14,2230851	-42,77641979
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VM	125	1	-14,15690298	-42,66872189
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VS	70	1	-14,19131402	-42,63564604
VS	70	1	-14,13768765	-42,69495996
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VM	125	1	-14,15404486	-42,67231791
VS	250	1	-14,14246095	-42,63646467
VM	125	1	-14,14642351	-42,64574104
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VS	250	1	-14,1458537	-42,64581356
VS	70	1	-14,13338033	-42,69620694

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VM	125	1	-14,1387327	-42,68999707
VM	125	1	-14,14382509	-42,66034504
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VS	250	1	-14,20551676	-42,79062271
VS	250	1	-14,23654286	-42,77708485
VM	125	1	-14,19300327	-42,66913751
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VS	250	1	-14,22238989	-42,77890131
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VS	250	1	-14,20122846	-42,75639973
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VS	70	1	-14,22342466	-42,75834542

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VS	250	1	-14,21611594	-42,78148417
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VS	250	1	-14,2017805	-42,7923992
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VS	70	1	-14,20273276	-42,79020113
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VS	250	1	-14,23465854	-42,75918422
ME	400	1	-14,22490996	-42,76353083
VS	250	1	-14,20249954	-42,78950693
ME	250	1	-14,20501891	-42,7937194

VS	250	1	-14,23188707	-42,76292517
VS	250	1	-14,22691597	-42,77440241
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VS	70	1	-14,19593531	-42,77460466
VS	70	1	-14,19581207	-42,77516583
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VS	250	1	-14,23140334	-42,77069762
VS	250	1	-14,19313246	-42,77432455
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VS	70	1	-14,21242471	-42,79650967
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ME	400	1	-14,22470553	-42,76424038
VS	250	1	-14,21825245	-42,80263583
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VS	250	1	-14,28165285	-42,69783717
VS	70	1	-14,09189183	-42,88537924
VS	70	1	-14,11510664	-42,82241006
VS	70	1	-14,24464789	-42,76201037
VS	70	1	-14,2462194	-42,76340194
VS	250	1	-14,04325156	-42,85246493
VS	70	1	-14,00651259	-42,87658008
VS	70	1	-14,28095461	-42,6985396
VS	250	1	-14,14896878	-42,93205613
MT	160	1	-14,25119641	-42,64854974
VS	250	1	-14,04875217	-42,89156688
VS	250	1	-14,28564117	-42,71270152
MT	160	1	-14,16769153	-42,94245178
VS	70	1	-14,24727367	-42,67751245
PL	45	1	-14,12497099	-42,94074074

VM	125	1	-14,05304727	-42,89629739
VS	70	1	-14,24763736	-42,67771792
VS	250	1	-14,04637518	-42,93677856
VS	250	1	-14,10863599	-42,81627297
VS	250	1	-14,24443179	-42,76857861
VS	70	1	-14,12404592	-42,8964808
VS	70	1	-14,31612244	-42,85925875
VS	70	1	-14,30388667	-42,71834577
VS	70	1	-14,24004918	-42,89673149
VS	250	1	-14,15038892	-42,95564618
VS	70	1	-14,28492844	-42,70916706
VM	125	1	-14,31009477	-42,87096449
VS	70	1	-14,04904065	-42,92310168
VS	250	1	-14,22600955	-42,78171367
VS	70	1	-14,09394377	-42,81901832
VS	70	1	-14,24481238	-42,76496464
VS	250	1	-14,28454414	-42,71371787
VS	70	1	-14,11481789	-42,86102046
VM	125	1	-14,26812185	-42,71487132
VS	70	1	-14,06009566	-42,91654245
VS	70	1	-14,2367823	-42,89285381
VS	70	1	-14,28350767	-42,68491925
VS	70	1	-14,2467027	-42,67767667
VS	70	1	-14,1387107	-42,94084488
VS	400	1	-14,28426387	-42,71371699
VS	250	1	-14,27749279	-42,66667492
VS	70	1	-14,1121416	-42,86860661
VM	125	1	-14,28544327	-42,7153802
VS	70	1	-14,11830933	-42,90495333
VS	70	1	-14,05920023	-42,89249628
VS	70	1	-14,27639482	-42,66160993
VS	70	1	-14,10938503	-42,87831361
VS	70	1	-14,28084165	-42,70005966
PL	45	1	-14,14253634	-42,92780318
VM	125	1	-14,16785365	-42,94030281
VS	70	1	-14,29714872	-42,66335795
VS	70	1	-14,09171004	-42,8881018
VS	70	1	-14,09653278	-42,81540565
VS	250	1	-14,28443479	-42,71700869
VS	250	1	-14,21233235	-42,78832012
VS	250	1	-14,21448305	-42,77762311
VS	70	1	-14,35092087	-42,96951964
VS	250	1	-14,23209382	-42,78167422
VS	250	1	-14,23074202	-42,75769846
VS	70	1	-14,31545702	-42,99080336
VS	250	1	-14,13952479	-42,87948566
VS	250	1	-14,20403963	-42,78425351
VS	70	1	-14,33616257	-42,93443394
VS	70	1	-14,23270554	-42,61223814
VS	250	1	-14,22494835	-42,78448034
VS	70	1	-14,22023181	-42,79306299
VS	250	1	-14,24132674	-42,76064123
VS	250	1	-14,22077336	-42,79208439
VS	70	1	-14,20818943	-42,76261096
VS	250	1	-14,20370356	-42,79777731
VS	400	2	-14,21148036	-42,80075518
VS	250	1	-14,32152132	-42,98256871
VS	70	1	-14,21885599	-42,78681345
VS	250	1	-14,23719865	-42,77637978
VS	250	1	-14,21760894	-42,76270949
VS	250	1	-14,21999684	-42,79450067
VM	400	1	-14,32298848	-42,97975642

VS	250	1	-14,22361044	-42,77054547
VS	250	1	-14,22799648	-42,78133956
VS	70	1	-14,15928355	-42,64715547
VS	70	1	-14,20281667	-42,7982511
VS	250	1	-14,2171405	-42,76664027
VS	70	1	-14,13827818	-42,87169951
VS	250	1	-14,13805236	-42,87241629
VS	250	1	-14,21314827	-42,80124232
VS	250	1	-14,31600839	-42,97900275
VS	250	1	-14,22709942	-42,78470092
VS	400	2	-14,211382	-42,79951231
VS	250	1	-14,23535326	-42,76544104
VM	125	1	-14,22462991	-42,75424585
VS	250	1	-14,20994854	-42,79829321
VS	250	1	-14,23244526	-42,76814151
VS	250	1	-14,23266145	-42,76844403
VS	250	1	-14,25283446	-42,70889213
VS	250	1	-14,21366529	-42,77330148
VS	250	1	-14,211939	-42,78146058
VS	250	1	-14,23910059	-42,76691814
ME	250	1	-14,21567764	-42,75873947
ME	250	1	-14,21717347	-42,75650009
VS	250	1	-14,23976984	-42,76403774
VS	250	1	-14,21414092	-42,80158473
VS	70	1	-14,31895607	-42,98419867
VS	70	1	-14,3046608	-42,94875763
VS	250	1	-14,23655779	-42,767614
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VS	70	1	-14,23250149	-42,75047065
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VS	70	1	-14,32098714	-42,97837553
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VS	250	1	-14,22648868	-42,78346612
VS	250	1	-14,2348242	-42,77806332
VS	70	1	-14,2191762	-42,79114276
VS	70	1	-14,32354387	-42,92719911
VS	70	1	-14,22420727	-42,75637618
VS	250	1	-14,21557949	-42,80149183
VS	250	1	-14,23582694	-42,78069788
VS	250	1	-14,22517508	-42,7722593
VS	70	1	-14,23069586	-42,75446059
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VS	70	2	-14,2297956	-42,9650385
VS	250	1	-14,2371033	-42,77093261
VS	70	1	-14,20839352	-42,79284766
VS	400	1	-14,21169596	-42,80348613
VS	70	1	-14,19972487	-42,80044451
VS	70	1	-14,23400402	-42,76327688
VS	250	1	-14,32454869	-42,98505747
VS	70	1	-14,22026972	-42,78305547
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VS	250	1	-14,22378971	-42,77937878
LED	15	1	-14,08795648	-42,89827618
VS	70	1	-14,08795648	-42,89827618
VS	400	1	-14,20543287	-42,76076231

VS	400	1	-14,22216218	-42,79772958
VS	250	1	-14,23186424	-42,77056293
VS	70	1	-14,22888137	-42,76333607
VS	70	1	-14,34117258	-42,92945668
VS	70	1	-14,2150319	-42,80094421
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VS	400	1	-14,2116544	-42,80331666
VM	80	1	-14,31407481	-43,04136377
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VS	250	1	-14,22490933	-42,77333167
VS	250	1	-14,08684856	-42,93253336
VS	70	1	-14,20200354	-42,79762197
VS	250	1	-14,3219758	-42,98300581
VS	250	1	-14,32220521	-42,98349516
VS	250	1	-14,31988988	-42,97918671
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VS	250	6	-14,21734359	-42,79576114
VS	250	1	-14,21734359	-42,79576114
VS	70	1	-14,20339736	-42,7931527
VS	250	1	-14,24265553	-42,75788348
VS	250	1	-14,20417917	-42,79719586
VS	250	1	-14,22589665	-42,78478946
VS	250	1	-14,22662056	-42,77908261
VS	250	1	-14,32011207	-42,98449112
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VS	250	1	-14,20092768	-42,76083672
VS	70	1	-14,03338306	-42,85155957
VS	70	1	-14,26050868	-42,98548255
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VS	400	1	-14,22448041	-42,79474802
VS	250	1	-14,21288286	-42,76640352
VS	70	1	-14,25114887	-42,89844499
VM	125	1	-14,22364062	-42,75544746
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VM	125	1	-14,25943101	-42,87100098
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VM	125	1	-14,22015549	-42,79028422
VS	250	2	-14,22443054	-42,87414302
VS	250	1	-14,20621315	-42,75990303
VS	250	1	-14,24161858	-42,7626814
VS	70	1	-14,22822016	-42,75396115
VS	250	1	-14,32524473	-42,97851447
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VS	250	1	-14,20750971	-42,75874889
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VS	250	1	-14,22736715	-42,61988789

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VS	250	1	-14,23498133	-42,77931375
VS	250	1	-14,22704983	-42,7780868
VS	250	1	-14,22779385	-42,77399147
VS	250	2	-14,22635437	-42,78030513
VM	125	1	-14,03339131	-42,8467347
VS	70	1	-14,20673722	-42,79095455
VS	250	1	-14,22142566	-42,78345797
VS	250	2	-14,2326329	-42,77631332
VS	250	1	-14,20463892	-42,78934826
VS	250	1	-14,21900376	-42,78311599
VS	250	1	-14,23040975	-42,7563041
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VM	80	1	-14,20745201	-42,79049041
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VS	250	1	-14,22180189	-42,77344031
VS	250	1	-14,23865768	-42,78082003
VS	70	1	-14,23288204	-42,74669397
VS	250	1	-14,20213486	-42,7631059
VS	250	1	-14,22645567	-42,62073136
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VS	250	1	-14,22342635	-42,77924157
VS	70	1	-14,20490117	-42,79048184
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VS	400	2	-14,20959207	-42,77475196
VS	250	1	-14,22885106	-42,77434476
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VS	70	1	-14,23508604	-42,61607535
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VS	250	1	-14,22229733	-42,79328529
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VS	250	1	-14,22982464	-42,76683127
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VS	250	1	-14,17553152	-42,73557868
VS	250	1	-14,20327167	-42,7981818
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VS	70	1	-14,22216866	-42,75714692
VS	70	1	-14,22720906	-42,75847508
VS	70	1	-14,14243123	-42,82758066
VS	250	1	-14,21471456	-42,78424121
VS	250	1	-14,20131401	-42,78162787
VS	70	1	-14,24597464	-42,76040651
VS	250	1	-14,20624265	-42,78983749
VS	250	1	-14,21242393	-42,78796826
VS	250	1	-14,22123126	-42,78208561
VS	250	1	-14,23507346	-42,76529179
VS	400	2	-14,21836813	-42,78119531
VS	70	1	-14,25411933	-42,95551173

VS	250	1	-14,21680538	-42,7668245
VS	70	1	-14,23049301	-42,76187843
VS	70	1	-14,2518885	-42,8938223
VS	250	2	-14,20993139	-42,79801512
VS	70	2	-14,09411671	-42,81867621
VS	250	1	-14,19412467	-42,75926234
VS	250	1	-14,23824667	-42,77377425
VS	250	1	-14,31915756	-42,97919281
VS	250	1	-14,22594997	-42,61755621
VM	125	1	-14,13936933	-42,63371427
VS	400	1	-14,2634733	-42,61991953
VS	250	1	-14,22767899	-42,61817403
VS	70	1	-14,11835539	-42,67334363
VS	250	1	-14,21254827	-42,7803876
VS	250	1	-14,22677525	-42,77952673
VS	250	1	-14,23245116	-42,78213342
VS	70	1	-14,23004223	-42,76503779
VS	250	2	-14,22071272	-42,7719537
VS	70	1	-14,22188189	-42,74917682
VS	250	2	-14,22761022	-42,76808877
VS	250	1	-14,20988873	-42,76968351
VS	70	1	-14,22734872	-42,75791591
VS	250	1	-14,21850019	-42,80413859
VS	250	1	-14,23346141	-42,75106924
VS	70	1	-14,3109564	-42,66579766
VM	125	1	-14,2180855	-42,79380651
VS	250	1	-14,23724348	-42,76103754
VS	250	1	-14,21497856	-42,77538196
VS	250	1	-14,23016244	-42,77030636
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VS	250	1	-14,2094918	-42,76179068
VS	250	1	-14,21204928	-42,78091415
VS	70	1	-14,22604636	-42,78600414
VS	250	1	-14,21614717	-42,7746723
VS	250	1	-14,22156531	-42,79046521
ME	400	1	-14,23452321	-42,77828984
VS	250	1	-14,22053167	-42,78313051
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VS	150	1	-14,21954459	-42,76971612
VS	70	1	-14,23097127	-42,74923324
VS	70	1	-14,17671265	-42,64225882
VS	250	1	-14,22553307	-42,89501784
VS	250	1	-14,23631226	-42,86782238
VS	250	1	-14,20035223	-42,7849864
VS	70	1	-14,22999282	-42,76299093
VM	125	1	-14,21126422	-42,76366407
VS	70	1	-14,15584536	-42,81298022
VS	250	1	-14,32198322	-42,98586231
VS	250	1	-14,21546133	-42,79627357
VS	250	1	-14,238292	-42,7625034
VS	250	1	-14,23571659	-42,76491394
VS	70	1	-14,15727718	-42,81069226
VS	250	1	-14,22841251	-42,75274307
VS	400	1	-14,21065992	-42,788268
VS	250	1	-14,24174526	-42,75981768
VS	250	1	-14,22072706	-42,76961186
VS	70	1	-14,2231782	-42,755863
VS	250	1	-14,22891718	-42,7762543
VS	250	2	-14,2119948	-42,76461063
VS	70	1	-14,21724682	-42,95158491

VS	250	1	-14,2270772	-42,78320863
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VS	250	1	-14,21614805	-42,78073292
VS	150	1	-14,22769837	-42,78126439
VM	125	1	-14,29679594	-42,95051177
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VS	70	1	-14,22139025	-42,78872219
VS	250	1	-14,19929509	-42,75745555
VS	250	1	-14,22021083	-42,76479557
VS	250	1	-14,23017661	-42,7640427
VS	70	1	-14,30226306	-42,95037848
MT	160	1	-14,17330698	-42,95134238
VS	250	1	-14,2189324	-42,7964896
MT	160	1	-14,19454199	-42,87953656
VS	250	1	-14,20275581	-42,78342161
VS	250	1	-14,21223195	-42,78860708
VS	70	1	-14,05135645	-42,89144727
VS	250	1	-14,22675957	-42,7943186
VS	70	1	-14,22859829	-42,75452167
VS	250	1	-14,30522785	-42,99483941
VS	70	1	-14,34005316	-42,92672589
VS	250	1	-14,32329802	-42,98579377
VM	125	1	-14,31806379	-42,98134838
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VM	125	1	-14,227416	-42,75380092
VS	250	1	-14,21343071	-42,78148423
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VS	250	1	-14,1936074	-42,77451966
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VS	70	1	-14,21787357	-42,78925386
VS	70	1	-14,2373486	-42,7622649
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VS	250	1	-14,23313497	-42,74806314
VS	70	1	-14,23199352	-42,74985112
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VS	70	1	-14,21884645	-42,74731293
VS	70	1	-14,22537807	-42,79957829
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VS	250	1	-14,23122358	-42,61747246
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VS	250	1	-14,21794194	-42,78982241
VS	250	1	-14,23657359	-42,77391686
VS	250	1	-14,20772404	-42,77646013
VS	250	1	-14,21380342	-42,78963995
VS	70	1	-14,28708609	-42,92221457
VS	250	1	-14,20267685	-42,78544164
VS	250	1	-14,20420906	-42,7927484
VS	250	1	-14,21571052	-42,77549566
VS	400	1	-14,20697048	-42,76236009
VS	70	1	-14,23062773	-42,75017612
VS	250	1	-14,22097292	-42,78915635
VS	250	2	-14,22055176	-42,78527153
VS	400	4	-14,22055176	-42,78527153
ME	400	1	-14,22827544	-42,78173906

VM	250	1	-14,18425666	-42,83322575
VS	250	1	-14,21289294	-42,79919323
VS	70	1	-14,23790068	-42,76115031
VS	250	1	-14,3212475	-42,98100986
VS	250	1	-14,22035148	-42,78017335
VS	70	1	-14,19067006	-42,7661101
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VS	250	1	-14,21219881	-42,77036666
VS	250	1	-14,21932954	-42,76630471
VS	250	1	-14,2245221	-42,79136977
VS	70	1	-14,21314139	-42,79759698
VS	250	1	-14,19506916	-42,75796567
VS	70	1	-14,16992157	-42,62060976
VS	250	1	-14,23684202	-42,77477978
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VS	250	1	-14,2006277	-42,79587277
VS	70	1	-14,19992201	-42,79664172
VS	70	1	-14,19110621	-42,91975964
VS	250	1	-14,20584541	-42,75897504
VS	70	1	-14,23394476	-42,95563613
VS	70	1	-13,98891875	-42,89547803
VS	250	1	-14,22049471	-42,77550648
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VS	250	1	-14,32015146	-42,98152433
VS	250	1	-14,23293811	-42,78428181
VS	250	1	-14,21774647	-42,76309995
VS	250	1	-14,2036599	-42,76294428
VS	250	1	-14,23266535	-42,78298687
VS	250	1	-14,12839887	-42,66743442
VS	70	1	-14,22490025	-42,75821019
VS	250	1	-14,21599231	-42,78433587
VM	80	1	-14,24268505	-42,94930726
VM	125	1	-14,33579926	-42,91864129
VS	70	1	-14,12642435	-42,77845356
VS	70	1	-14,03245178	-42,91826386
VS	70	1	-14,23132836	-42,75458318
VS	400	1	-14,20893524	-42,76535226
VS	250	1	-14,21483782	-42,77695703
VS	250	1	-14,24091275	-42,75720103
VS	250	1	-14,23169748	-42,78036979
VS	250	1	-14,22320872	-42,78009972
VS	250	1	-14,21285491	-42,78338217
VS	70	1	-14,24175431	-42,7569721
VS	250	1	-14,20675273	-42,75893691
VS	250	1	-14,32458988	-42,98384302
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VS	70	1	-14,24119196	-42,75753565
VS	250	1	-14,23843755	-42,76222582
VS	70	1	-14,25450088	-42,70803275
VS	250	1	-14,21806487	-42,79636608
VS	70	1	-14,2087235	-42,78719302
VS	250	1	-14,23827595	-42,77310699
VS	250	1	-14,21551997	-42,78401228
VS	70	1	-14,31830712	-43,02360322
VS	70	1	-14,19456952	-42,78307916
VS	70	1	-14,19413232	-42,78392542
VS	70	1	-14,19435638	-42,78389097
VS	250	1	-14,22614615	-42,61514439
VS	250	1	-14,22634143	-42,62043556
VM	125	1	-14,21885524	-42,60640241
VS	250	1	-14,19640982	-42,79904494

VS	250	1	-14,21450243	-42,76602898
VS	250	1	-14,20108935	-42,75909822
VS	250	1	-14,23901013	-42,77170042
VS	250	1	-14,3219044	-42,98175445
ME	400	1	-14,21579259	-42,79181684
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ME	250	1	-14,21719468	-42,76151651
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VS	70	1	-14,21769648	-42,79388272
VS	250	2	-14,21927062	-42,80246091
VM	125	1	-14,20649101	-42,7606639
VS	250	1	-14,341486	-42,99272561
VS	400	2	-14,21132144	-42,79869653
VS	250	1	-14,22795773	-42,77936524
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VS	250	1	-14,21974266	-42,77277528
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VS	250	1	-14,22771317	-42,78226543
VS	250	1	-14,21627819	-42,76256175
MT	160	1	-14,23918399	-42,88080566
VS	70	1	-14,22320223	-42,76175708
VM	125	1	-14,31741774	-42,98235619
VS	250	1	-14,23462727	-42,77467955
VS	250	1	-14,22842681	-42,75739759
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VS	250	1	-14,32069944	-42,98237044
VS	400	2	-14,21104511	-42,79480311
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VS	70	1	-14,19447814	-42,78472608
VS	70	1	-14,16596427	-42,6174323
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VS	250	1	-14,21640939	-42,78378216
VS	250	1	-14,22156694	-42,79269885
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VS	250	1	-14,20506129	-42,78256867
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VM	400	1	-14,20420228	-42,80252687
VS	250	1	-14,21473839	-42,76377793
VS	70	1	-14,23614699	-42,76320992
VM	400	1	-14,21227071	-42,76557662
VM	125	1	-14,24317149	-42,75769055
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ME	250	1	-14,22828388	-42,77730069
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VS	250	1	-14,2111172	-42,78393226
VS	250	1	-14,26217305	-42,96165008
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VS	70	1	-14,21822637	-42,77475351
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VS	250	1	-14,21286285	-42,76981403
VM	125	1	-14,25949694	-42,90860304
VS	400	2	-14,20628886	-42,76168266
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VS	400	1	-14,21083148	-42,79106746
VS	250	1	-14,2161593	-42,76530237
VS	70	1	-14,06687286	-42,82477573
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VS	70	1	-14,28511996	-42,71465605
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VM	80	1	-14,09271613	-42,77851638
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PL	45	1	-14,11754182	-42,91901266
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PL	45	1	-14,17114445	-42,96302681
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VS	250	1	-14,27700016	-42,66501403
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VS	70	1	-14,06985802	-42,79470327
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VS	70	1	-14,04495354	-42,93501326
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VM	125	1	-14,28449409	-42,71533085
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VS	70	1	-14,24286229	-42,76645819
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VS	70	1	-14,28771141	-42,69131972
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VS	70	1	-14,24454984	-42,76881157
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VS	250	2	-14,22337786	-42,87249492
VS	70	1	-14,25017941	-42,67714449
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VS	70	1	-14,28344256	-42,71624534
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VS	70	1	-14,25376729	-42,63391088
VS	250	1	-14,19751189	-42,65742328
VS	70	1	-14,22328151	-42,72458745
VS	70	1	-14,21158261	-42,74297927
VS	70	1	-14,20591152	-42,65071909
VS	70	1	-14,2231449	-42,72401979
VS	70	1	-14,25266979	-42,63861683
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VS	70	1	-14,20516834	-42,67518955
VM	80	1	-14,22793581	-42,65748327
VS	70	1	-14,18235931	-42,68024372
VS	70	1	-14,22386867	-42,72565036
VS	70	1	-14,27202194	-42,62419991
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VS	70	1	-14,26993038	-42,63241342
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VS	70	1	-14,24638109	-42,65711948
VS	70	1	-14,21576094	-42,72267144
VS	70	1	-14,20459544	-42,65258741
VM	80	1	-14,22820629	-42,65234596
VM	125	1	-14,19257142	-42,66538811
VS	70	1	-14,19534056	-42,65793599
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VS	250	1	-14,19388309	-42,77358897
VS	70	1	-14,19405762	-42,77273949
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VM	125	1	-14,22514291	-42,79930729
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VS	250	1	-14,22327547	-42,78180531
VS	70	1	-14,20739286	-42,78926623
PL	45	1	-14,20135941	-42,92396381
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VS	400	1	-14,22751624	-42,7646935
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VS	70	1	-14,22058165	-42,80079773
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ME	250	1	-14,21449852	-42,76018051
VS	70	1	-14,12591703	-42,67228184
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VS	70	1	-14,22114241	-42,78436528
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VS	70	1	-14,22994438	-42,75176075
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VS	400	2	-14,21027592	-42,78406838
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VS	250	2	-14,24021721	-42,7614061
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VS	400	1	-14,21616052	-42,80346795
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VS	250	2	-14,22386913	-42,76294047
VS	70	1	-14,19333227	-42,77440983
VS	70	1	-14,20159718	-42,79072432
VS	70	1	-14,20122289	-42,79072052
VS	250	1	-14,23150282	-42,77124787
VS	70	1	-14,19974636	-42,79864145
VS	70	1	-14,2024323	-42,79015403
VS	70	1	-14,20436243	-42,79050296
VS	70	1	-14,23158963	-42,76272258
VS	70	1	-14,20730914	-42,63108914

VS	250	1	-14,22479207	-42,76809456
VS	250	1	-14,22484882	-42,76680811
VS	70	1	-14,23212933	-42,76302312
VS	250	1	-14,21222445	-42,76579296
VS	250	1	-14,21202595	-42,7661454
VS	250	2	-14,22421175	-42,76306508
VS	70	1	-14,20698696	-42,78859385
VS	250	1	-14,21263687	-42,79817158
VS	70	1	-14,23268789	-42,76169354
VS	70	1	-14,23164575	-42,76046159
VS	250	1	-14,23169455	-42,77084023
VS	250	1	-14,23166743	-42,76344348
VS	250	1	-14,23183316	-42,77117289
VS	250	1	-14,20934309	-42,75706436
VS	250	1	-14,22462625	-42,76907654
VS	250	2	-14,23211737	-42,76556918
VS	70	1	-14,03774346	-42,92202869
VM	80	1	-14,23369964	-42,76244556
VS	70	1	-14,19469289	-42,77490514
VS	250	1	-14,23176294	-42,76062937
VS	250	1	-14,23122903	-42,75651333
PL	25	1	-14,01827435	-42,86421635
VS	250	1	-14,27866096	-42,71585014
VM	80	1	-14,07006936	-42,78849469
VS	70	1	-14,14480528	-42,92878042
VS	70	1	-14,16059489	-42,95857022
VS	70	1	-14,31270147	-42,87016788
VS	70	1	-14,09488991	-42,75996801
VS	70	1	-14,28579055	-42,71112593
VS	70	1	-14,06935029	-42,88571813
PL	15	1	-14,27676198	-42,66288108
VS	250	1	-14,03977615	-42,90809957
VS	70	1	-14,28289056	-42,71013366
VS	250	1	-14,24401515	-42,76357668
VS	250	1	-14,28516784	-42,71376619
VM	400	1	-14,14225743	-42,84298033
VS	70	1	-14,13044536	-42,85214811
VS	70	1	-14,04259879	-42,93606872
VM	80	1	-14,28470317	-42,71193836
VS	250	1	-14,28470317	-42,71193836
VS	70	1	-14,24261518	-42,76696781
VS	70	1	-14,29160082	-42,65229034
VS	70	1	-14,28081733	-42,69910469
VS	250	1	-14,08939954	-42,76877644
VS	70	1	-14,27981555	-42,63722843
VS	70	1	-14,29333137	-42,65095098
VS	70	1	-14,28395905	-42,71285384
VS	70	1	-14,13779015	-42,93635339
VS	70	1	-14,30033996	-42,64561564
VS	70	1	-14,05558517	-42,84258664
VS	70	1	-14,09310036	-42,81977489
VM	125	1	-14,29814175	-42,6638986
VS	250	1	-14,28485146	-42,71374665
VM	125	1	-14,17870944	-42,94777887
VS	250	1	-14,24478399	-42,76839451
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PL	15	1	-14,10770229	-42,91026584
VS	70	1	-14,28435727	-42,70969371
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VS	250	1	-14,09095047	-42,8682766
VS	70	1	-14,27984395	-42,69901417
VS	70	1	-14,0057986	-42,88149409

VS	70	1	-14,28155914	-42,69895864
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VM	125	1	-14,29548221	-42,72705103
VM	80	1	-14,09010952	-42,77664452
VS	70	1	-14,28126139	-42,69875377
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VS	70	1	-14,09269887	-42,81819876
VS	70	1	-14,29701471	-42,64299141
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VM	125	1	-14,0903228	-42,86682925
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VM	80	1	-14,21796274	-42,77519748
VS	70	1	-14,27725639	-42,91146395
VS	150	1	-14,19808052	-42,78551812
VS	70	1	-14,19619875	-42,7679138
VS	70	1	-14,22021604	-42,74767805
VS	250	1	-14,22314347	-42,78895069
VS	70	1	-14,20719309	-42,79535992
VS	250	1	-14,20534389	-42,75604064
VS	250	1	-14,20772432	-42,75065769
VS	250	1	-14,22690918	-42,77929677
ME	150	4	-14,22690918	-42,77929677
VS	70	1	-14,2452367	-42,76216519
VS	70	1	-14,27245718	-42,63336049
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VS	250	1	-14,11949859	-42,82036915
VS	250	1	-14,21147428	-42,77144975
VS	250	1	-14,2440972	-42,76206228
VS	70	1	-14,23011851	-42,76179858
VS	70	1	-14,22557588	-42,75730237
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VS	250	1	-14,23281689	-42,74870192
VS	70	1	-14,22684907	-42,78384737
VS	250	1	-14,20260211	-42,78617351
VS	250	1	-14,23184879	-42,78126464
VS	250	1	-14,22505659	-42,78180216
VS	250	1	-14,21650789	-42,76655473
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VS	70	1	-14,21806866	-42,79324332
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VS	70	1	-14,20764968	-42,7908618
VS	70	1	-14,20640769	-42,78941583
VS	250	1	-14,20236479	-42,76227982
VS	70	1	-14,23100632	-42,7830896
VM	125	1	-14,23158133	-42,75463963
VS	250	1	-14,23158133	-42,75463963
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VM	125	1	-14,24492337	-42,94757897
VS	250	1	-14,23299706	-42,77997921
VS	70	1	-14,206054	-42,7920655

VS	250	2	-14,24283964	-42,76272285
VS	400	1	-14,25824723	-42,93025675
VS	400	1	-14,20850239	-42,76499863
VM	125	1	-14,11929702	-42,67570813
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VS	250	1	-14,2176055	-42,7474995
VM	125	1	-14,2256885	-42,76983374
VS	400	1	-14,20772943	-42,76356882
VS	250	1	-14,21463771	-42,77732706
VS	250	1	-14,2372901	-42,764808
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ME	250	1	-14,21794768	-42,75948671
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VS	400	2	-14,20224413	-42,75703542
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VS	70	1	-14,21965039	-42,7484385
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VS	250	1	-14,21647499	-42,76553513
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VS	250	1	-14,32099632	-42,98272405
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VS	70	1	-14,26980446	-42,99624355
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VS	250	1	-14,21870246	-42,80036284
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VS	250	1	-14,2005421	-42,80208769
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VS	250	16	-14,21975574	-42,78263663
VS	250	1	-14,21975574	-42,78263663

VS	250	1	-14,22006988	-42,77223884
ME	250	1	-14,21242389	-42,76282828
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VM	125	1	-14,11971528	-42,67525606
VS	70	1	-14,11971528	-42,67525606
VS	250	1	-14,2437124	-42,76101997
VS	250	1	-14,24188361	-42,76179246
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VS	70	1	-14,20466991	-42,77591222
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VS	250	1	-14,22551919	-42,77245464
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VS	250	1	-14,20191371	-42,78656037
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VS	250	1	-14,20678538	-42,75998454
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VS	70	1	-14,24511839	-42,75633057
VS	70	1	-14,13919586	-42,79624213
VM	80	1	-14,21589948	-42,77577435
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ME	250	1	-14,21446681	-42,76198692
ME	400	1	-14,24291882	-42,78273481
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VS	70	1	-14,0613153	-42,91677882
VS	70	1	-14,09336728	-42,81838639
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PL	25	1	-14,13871411	-42,93079594
VS	70	1	-14,28187518	-42,69909868
VS	70	1	-14,28320197	-42,68432499
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VM	125	1	-14,09153936	-42,87044632
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VS	250	1	-14,12302359	-42,89908926
VS	250	1	-14,23333794	-42,78195962
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VM	125	1	-14,25931311	-42,90896409
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VS	250	1	-14,14775699	-42,93031561
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PL	45	1	-14,1780524	-42,89524634
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VS	70	1	-14,23494094	-42,75134496
VS	250	1	-14,23393559	-42,74869179
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VS	250	1	-14,25250557	-42,7084279
VS	250	1	-14,13335866	-42,87349547
VM	125	1	-14,21493367	-42,78930512
VS	70	1	-14,23294817	-42,77266596
VS	70	1	-14,22339971	-42,75729023
VS	70	1	-14,22289418	-42,75852707
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VS	250	1	-14,22191474	-42,79482406
VS	250	1	-14,20213702	-42,78521496
VS	250	2	-14,23854422	-42,76061478
VS	250	1	-14,22151489	-42,78930651
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VS	250	1	-14,17348979	-42,73688423
VS	400	8	-14,21853499	-42,77158487
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VS	400	2	-14,20998983	-42,78032323
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VS	70	1	-14,22157297	-42,78814819
VS	250	1	-14,23704391	-42,77386285
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VS	250	1	-14,2438671	-42,76070534
VS	250	1	-14,243003	-42,75949746
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VS	70	1	-14,33988541	-42,92569593
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VS	70	1	-14,20604779	-42,76072729
VS	400	1	-14,22209072	-42,7977955
VS	400	1	-14,21982416	-42,79967223
VS	70	1	-14,3098383	-43,03956895
VS	70	1	-14,30795588	-43,04118128
VS	70	1	-14,19425978	-42,78522668
VS	70	1	-14,24450751	-42,76400731
VS	250	1	-14,23009929	-42,77453559
VS	400	1	-14,19946857	-42,75763461
VS	250	1	-14,24918159	-42,85432199
VS	70	1	-14,23389166	-42,7453395
VS	400	1	-14,28697689	-42,81129005

VS	250	1	-14,22263623	-42,78098751
VS	250	1	-14,21730764	-42,80191386
VS	70	1	-14,22567046	-42,75684446
VS	250	1	-14,22567046	-42,75684446
VS	250	1	-14,24095698	-42,76317971
VS	250	1	-14,24249185	-42,75817954
VS	70	1	-14,21473075	-42,78062454
VS	250	1	-14,23540097	-42,77585932
VS	250	1	-14,21235904	-42,77525071
VS	250	1	-14,22157908	-42,76959092
VS	250	2	-14,21883237	-42,7939498
VS	250	1	-14,21943318	-42,76781577
VS	70	1	-14,32304563	-42,99280342
VS	250	1	-14,23177324	-42,78483752
VS	70	1	-14,24364092	-42,75791457
VS	70	1	-14,20204624	-42,79233878
VS	70	1	-14,2130139	-42,79613574
VS	250	1	-14,22641688	-42,77546862
ME	400	1	-14,22506177	-42,7636408
ME	400	1	-14,2242075	-42,76439248
VS	250	1	-14,20660096	-42,78811032
VS	250	1	-14,31754141	-42,98051677
VS	70	1	-14,21765051	-42,91140969
VS	250	1	-14,22510291	-42,77477894
VS	70	1	-14,20309791	-42,78681069
VS	70	1	-14,14684854	-42,64216654
VS	250	1	-14,23209872	-42,76199243
VS	70	1	-14,1414458	-42,79612365
VS	250	1	-14,22468472	-42,76874808
VS	250	1	-14,20684447	-42,78782516
VS	250	1	-14,23776699	-42,76365924
VS	250	1	-14,23344651	-42,76959127
VS	250	1	-14,23289353	-42,77845852
VS	70	1	-14,2401868	-42,76725558
VS	70	1	-14,21993299	-42,78773991
VS	250	1	-14,2342377	-42,77775851
VS	250	1	-14,22557826	-42,7703751
VS	250	1	-14,23152747	-42,76556052
VS	70	1	-14,19541027	-42,77447091
VS	70	1	-14,19601804	-42,77192023
VS	250	1	-14,23140998	-42,76062754
VS	70	1	-14,20276421	-42,78612041
VS	70	1	-14,19857817	-42,79505594
VS	70	1	-14,20201162	-42,79015285
VS	70	1	-14,21094051	-42,76905805
ME	400	1	-14,22393481	-42,76512978
VS	70	1	-14,22269906	-42,76755207
VS	70	1	-14,20506688	-42,79291412
VS	250	1	-14,23286474	-42,76206053
VS	250	1	-14,21194456	-42,78903945
VS	250	2	-14,20463207	-42,79564115
VS	70	1	-14,20806618	-42,78791363
VS	250	1	-14,20894096	-42,75745719
VS	70	1	-14,02877736	-42,92134477
VS	250	1	-14,2305517	-42,75977669
VS	250	1	-14,21175519	-42,78913443
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VS	250	1	-14,20533848	-42,78587888
VS	250	1	-14,22482783	-42,76740474
VS	70	1	-14,20620187	-42,76131732
VS	70	1	-14,23200074	-42,76274787

VS	250	1	-14,23218871	-42,77405878
VS	70	1	-14,2453989	-42,75901577
VS	70	1	-14,21724771	-42,79278568
VS	250	1	-14,23417019	-42,75996395
VS	250	1	-14,23271383	-42,7745861
VS	250	1	-14,23749015	-42,76179452
VS	70	1	-14,20484001	-42,78481454
VS	70	1	-14,208607	-42,79084853
VS	70	1	-14,23215752	-42,76203869
ME	400	1	-14,22452501	-42,76456816
VM	125	1	-14,20377859	-42,7903255
VS	250	1	-14,2338681	-42,78337047
VS	70	1	-14,21748421	-42,79300671
ME	400	1	-14,22396519	-42,76416811
VS	70	1	-14,3162608	-42,89286978
VS	70	1	-14,25357316	-42,78589161
VS	100	1	-14,28728207	-42,91177047
VS	70	1	-14,25219277	-42,79412857
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VS	70	1	-14,3179952	-42,90520823
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VS	70	1	-14,33299012	-42,90621403
VS	70	1	-14,30459874	-42,92686221
VS	250	1	-14,2532644	-42,78564574
VS	70	1	-14,29293806	-42,91348505
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VM	125	1	-14,29696686	-42,90109565
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VS	70	1	-14,32244247	-42,90779437
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VS	70	1	-14,31491942	-42,88893325
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VS	70	1	-14,29726427	-42,90441929
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VM	125	1	-14,29653507	-42,90109551
VS	70	1	-14,25320958	-42,79419553
VS	70	1	-14,25276592	-42,79020162
VS	70	1	-14,25608898	-42,78459163
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VS	70	1	-14,25412265	-42,78463925
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VS	70	1	-14,33040129	-42,90229071
VM	125	1	-14,33212514	-42,90011281
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VS	70	1	-14,31530494	-42,89701977
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VS	70	1	-14,26275404	-42,7845784
VM	125	1	-14,30375369	-42,92486377

VM	125	1	-14,25346035	-42,78522632
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VS	70	1	-14,25270318	-42,79224143
VS	70	1	-14,32874675	-42,90468563
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VS	70	1	-14,32467953	-42,9067556
VS	150	1	-14,31741536	-42,91262338
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VS	70	1	-14,25710007	-42,78458298
VS	70	1	-14,25459139	-42,7846227
VS	70	1	-14,25271319	-42,79366191
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VS	70	1	-14,15341121	-42,83369341
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VS	70	1	-14,22351448	-42,89654609
VS	70	1	-14,28273628	-42,71056937
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MT	160	1	-14,18644564	-42,94618931
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VS	250	1	-14,28373478	-42,7152821
MT	500	1	-14,24925356	-42,67638858
VS	70	1	-14,28320359	-42,71151646
VS	250	1	-14,28599286	-42,70998623
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VM	125	1	-14,28371167	-42,71695078
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VM	80	1	-14,0500451	-42,89155335
VS	70	1	-14,17128809	-42,65221419
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VS	70	1	-14,0699272	-42,7956575
VM	125	1	-14,14379152	-42,92833495
PL	45	1	-14,12268397	-42,90822544
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VS	250	1	-14,22429549	-42,79326445
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VS	70	1	-14,29470511	-42,85033229
VS	400	1	-14,22548732	-42,79170169
VS	250	1	-14,2253492	-42,79177591
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VS	70	1	-14,29656612	-42,84969558
VS	70	1	-14,29537013	-42,8283673
VM	125	1	-14,14311599	-42,76225059
VS	70	1	-14,2884173	-42,84583536
VM	125	1	-14,29493867	-42,83344721
VS	250	1	-14,22309621	-42,79502124
MT	160	1	-14,29597476	-42,82801369
VS	250	1	-14,22369588	-42,79413357
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VM	125	1	-14,14766673	-42,7829045
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MT	160	1	-14,28829663	-42,84897715
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VS	400	1	-14,22577631	-42,79111934
LED	10	1	-14,14028509	-42,74820475

VS	70	1	-14,14028509	-42,74820475
VS	250	2	-14,13610014	-42,73907452
VS	250	1	-14,22350071	-42,79572704
VM	80	1	-14,29330341	-42,82894716
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VS	70	1	-14,29570978	-42,84971304
VS	70	1	-14,2865682	-42,8432424
VS	70	1	-14,29562871	-42,8249052
VS	250	1	-14,22326997	-42,79442867
MT	160	1	-14,29580706	-42,82998282
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VS	70	1	-14,27245385	-42,63083018
VS	250	1	-14,22959581	-42,77853242
VS	250	1	-14,22827564	-42,77329667
VS	70	1	-14,22325154	-42,76321849
VS	70	1	-14,22795647	-42,77212933
VS	250	1	-14,22689432	-42,77031106
VS	250	2	-14,22500127	-42,76339137
VS	70	1	-14,21851674	-42,79318936
VS	70	1	-14,19621982	-42,77321295
VS	250	2	-14,23175906	-42,76577152
VS	70	1	-14,22971888	-42,76126337
VS	70	1	-14,20595542	-42,78802969
VS	70	1	-14,193187	-42,77406609
VS	250	1	-14,21287538	-42,77226311
VS	250	1	-14,20986616	-42,75856248
VS	70	1	-14,21936684	-42,76482268
VS	70	1	-14,20526572	-42,78642059
VS	250	1	-14,21238275	-42,79886874
VS	250	1	-14,20006729	-42,78577471
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VS	70	1	-14,2332945	-42,75781883
VS	250	1	-14,21264523	-42,7712172
VS	250	1	-14,23489662	-42,7620424
VS	70	1	-14,23503101	-42,76228439
VS	250	1	-14,23384086	-42,76139607
VS	250	1	-14,23338964	-42,76110695
VS	250	1	-14,2326722	-42,76100047
VS	250	1	-14,23253858	-42,76125398
VS	70	1	-14,20101965	-42,79298291
VS	70	1	-14,21213746	-42,79664815
VS	70	1	-14,23161708	-42,78459563
VS	70	1	-14,20247572	-42,78976383
VS	70	1	-14,23107162	-42,7614313
VS	250	1	-14,23107162	-42,7614313
VS	250	1	-14,23106323	-42,76105849
VS	250	1	-14,23125564	-42,77698894
VS	250	1	-14,21569408	-42,78989136
VS	70	1	-14,19649314	-42,77472156
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VM	125	1	-14,35133988	-42,71385458
VS	400	1	-14,21315688	-42,80403234
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VS	250	1	-14,23133319	-42,75972628
VS	250	1	-14,1957626	-42,77539271
VS	70	1	-14,20529961	-42,78612415
VS	70	1	-14,19376212	-42,77400715
VS	70	1	-14,20573199	-42,7597283
VS	250	1	-14,23249165	-42,77459832
VS	70	1	-14,29855349	-42,78322254
VS	70	2	-14,22365905	-42,76839724
VS	250	1	-14,23758055	-42,76157135

VS	250	1	-14,23165584	-42,76370278
VS	70	1	-14,23520855	-42,7626321
VS	70	1	-14,22627933	-42,90419392
VS	250	1	-14,19606472	-42,77165971
VS	70	1	-14,19581227	-42,77161242
VS	70	1	-14,19650851	-42,77203764
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VS	70	1	-14,20449755	-42,79487713
VS	250	1	-14,22316404	-42,76524694
VS	70	1	-14,20663982	-42,78871878
VS	250	1	-14,22727389	-42,62345228
VS	70	1	-14,13489211	-42,69556298
VM	125	2	-14,13327944	-42,69044392
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VS	250	1	-14,14683703	-42,6632167
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VS	250	1	-14,1443445	-42,64554062
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VS	70	1	-14,16841038	-42,63290434
VM	125	1	-14,18680306	-42,63418903
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VM	125	1	-14,15747097	-42,666055
VM	125	1	-14,14504825	-42,65278807
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VS	70	1	-14,15883138	-42,66453935
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VS	70	1	-14,14347489	-42,63938604
VS	70	1	-14,16941528	-42,64599116
MT	160	1	-14,14682292	-42,64514918
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VM	125	1	-14,18241989	-42,63466679
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VM	125	1	-14,16626486	-42,64411976
VM	125	2	-14,18194031	-42,63481373
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VM	125	1	-14,14664424	-42,67077669
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VM	125	1	-14,189078	-42,63328597
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VM	125	1	-14,14177317	-42,63338125
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VM	125	1	-14,15683409	-42,66422779
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VS	70	1	-14,08532897	-42,81858942
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VS	250	1	-14,2430192	-42,75724512
VS	250	1	-14,22125619	-42,78824904
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VS	70	1	-14,2091253	-42,75457682
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VS	250	1	-14,2386967	-42,77160806
VS	70	1	-14,21878597	-42,78885219
VS	250	1	-14,2023613	-42,80151025
VS	70	1	-14,31652533	-43,01827044
VS	250	1	-14,23022725	-42,7568318
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VS	250	1	-14,20127547	-42,7574307
VS	250	1	-14,21362175	-42,78388527
VS	70	1	-14,23545261	-42,76699334
VS	250	1	-14,23545261	-42,76699334
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VS	250	1	-14,23430545	-42,781871
VS	250	1	-14,21722041	-42,7865483
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VS	250	1	-14,21694822	-42,7729975
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VS	250	1	-14,20421737	-42,76190086
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VS	250	2	-14,23234097	-42,77989002
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VS	250	1	-14,21634608	-42,76907509
VS	250	1	-14,22536546	-42,78411104
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VS	250	1	-14,21404579	-42,79780709
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VS	70	1	-14,26649583	-42,89277905
VS	250	1	-14,23299353	-42,77940102
VM	125	1	-14,32838469	-42,89005304
VS	250	1	-14,22708338	-42,78407988
VS	70	1	-14,16362824	-42,61872326
VS	70	1	-14,21133889	-42,76293216

VS	70	1	-14,13772592	-42,880839
VS	70	1	-14,20582718	-42,79244023
VS	70	1	-14,22714112	-42,79932376
VS	70	1	-14,22817578	-42,79727276
VS	250	1	-14,20923856	-42,75812443
VS	400	2	-14,20764587	-42,76326345
VS	250	1	-14,22842356	-42,79370341
VS	70	1	-14,31847409	-43,02316367
VS	250	1	-14,22607126	-42,62103367
VS	70	1	-14,22345786	-42,77425042
VS	250	1	-14,22667631	-42,77305832
VS	70	1	-14,21711625	-42,74765472
VS	250	1	-14,21738981	-42,74806814
VS	250	1	-14,22919626	-42,78215931
VS	250	1	-14,22494564	-42,77979055
VS	250	1	-14,32554981	-42,98691891
VS	70	1	-14,22769294	-42,79817928
VS	70	1	-14,22865783	-42,79784807
VS	250	1	-14,21415981	-42,78797426
VS	70	1	-14,32172899	-42,98579955
VS	250	1	-14,22306504	-42,77480268
VS	150	1	-14,31377483	-42,94110195
VS	70	1	-14,31751484	-42,944424
VS	70	1	-14,29295186	-42,80463024
VS	70	1	-14,29235779	-42,8038248
VS	70	1	-14,32894384	-43,0374008
VS	250	1	-14,2280844	-42,78209988
VS	250	2	-14,22275832	-42,78785571
VS	70	1	-14,124174	-42,80561524
VS	250	1	-14,22552238	-42,78025909
VS	400	2	-14,21017102	-42,78297443
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VS	70	1	-14,27626188	-42,93812667
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VS	250	1	-14,20511677	-42,79533998
VS	250	1	-14,04260223	-42,91628789
VS	70	1	-14,25210325	-42,97491653
VS	250	1	-14,210279	-42,75547591
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VS	250	4	-14,21546123	-42,78812705
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VS	250	1	-14,21636866	-42,78161479
VS	250	1	-14,19291545	-42,75722456
ME	250	1	-14,21596451	-42,75851521
VS	250	1	-14,22659355	-42,61618656
VM	125	1	-14,19769648	-42,61444499
VS	70	1	-14,30020919	-43,05106221
VS	360	1	-14,32292825	-42,98074761
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MT	160	1	-14,2345566	-42,82017013
VS	250	1	-14,22761551	-42,77776137
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VS	250	1	-14,21375176	-42,79507223
VS	70	1	-14,31684828	-42,90249627
VS	70	1	-14,2029652	-42,76375851
VS	250	1	-14,21957047	-42,79539282
VS	250	1	-14,20783293	-42,79242181
VS	250	1	-14,21525677	-42,78961663
VS	250	1	-14,237689	-42,77288254

VS	250	1	-14,23116402	-42,77136841
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VS	250	1	-14,22279804	-42,78951486
VS	250	2	-14,21957225	-42,7834516
VS	70	1	-14,13451728	-42,73350565
VM	250	1	-14,1291717	-42,80131951
VS	70	1	-14,14087538	-42,79911739
VS	250	1	-14,2070286	-42,77623534
VS	70	1	-14,22160179	-42,78472258
VS	70	1	-14,32915498	-42,98405749
VS	70	1	-14,2380882	-42,72328827
VS	70	1	-14,22916262	-42,74887582
VS	150	1	-14,19871509	-42,78596773
VS	150	1	-14,19815985	-42,78685501
VS	150	1	-14,19977181	-42,78407203
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VS	250	1	-14,2274064	-42,77930774
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VS	250	1	-14,20065667	-42,78390557
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VS	70	1	-14,19405429	-42,78406592
VS	250	1	-14,23290347	-42,74842497
VS	70	1	-14,31635364	-42,88392032
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VS	250	1	-14,21893146	-42,77479298
VS	250	1	-14,23311364	-42,77888683
VS	250	1	-14,20202443	-42,78588423
VS	250	2	-14,22908196	-42,76723658
VS	70	1	-14,23731032	-42,76414071
VS	70	1	-14,22571872	-42,7558807
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VM	125	1	-14,22307722	-42,75634462
VS	250	1	-14,21763762	-42,7833986
VS	400	1	-14,21763762	-42,7833986
VS	250	1	-14,21158463	-42,79111687
VM	125	1	-14,30385665	-42,88075887
VS	250	1	-14,21597033	-42,7650237
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VS	250	1	-14,2808205	-43,04001524
VS	70	1	-14,24130424	-42,76397458
VS	400	1	-14,20199133	-42,75692337
VS	250	1	-14,21697517	-42,79415853
VS	250	1	-14,22352601	-42,79083348
VS	250	1	-14,21838519	-42,76757127
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ME	250	1	-14,21514516	-42,76057229
ME	250	1	-14,21716255	-42,75862967
VS	250	1	-14,22132204	-42,78472736
VM	125	1	-14,32965632	-42,89223761
VS	250	1	-14,21904004	-42,79335041
VS	250	1	-14,21129448	-42,7822554
VS	250	1	-14,2268199	-42,7705934

LED	100	1	-14,14547303	-42,79018932
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VS	250	1	-14,23803124	-42,7606658
VS	250	1	-14,24229725	-42,7553673
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VS	70	1	-14,24436065	-42,78530584
VS	70	1	-14,24308258	-42,7843228
VS	70	1	-14,28777938	-42,78711728
VS	150	1	-14,2141109	-42,79996674
VS	70	1	-14,20213464	-42,75735015
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VS	70	1	-14,20036752	-42,80022435
VS	250	1	-14,20576111	-42,78231056
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VS	250	1	-14,27624092	-42,82486203
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VS	250	1	-14,22172529	-42,7719664
VM	400	1	-14,22098358	-42,79139928
VS	400	1	-14,20394672	-42,75898726
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ME	400	1	-14,22636275	-42,76762948
VS	250	1	-14,2245713	-42,78846887
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VS	70	1	-14,21882805	-42,79524731
VS	70	1	-14,22598464	-42,79941683
VS	70	1	-14,19430968	-42,78357712
VS	250	1	-14,23008568	-42,76216967
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VS	250	1	-14,23292098	-42,74912454
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VS	70	1	-14,29215611	-42,80336016

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VS	70	1	-14,22675858	-42,77278055
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VS	70	1	-14,31827823	-42,98323008
VS	70	1	-14,23229485	-42,74601969
VS	250	1	-14,20478953	-42,79638551
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VS	250	1	-14,22611637	-42,78670878
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VS	250	1	-14,21639548	-42,78170756
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VS	400	1	-14,22048705	-42,79932182
ME	250	1	-14,21943083	-42,76174512
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VS	250	1	-14,31908824	-42,98284557
VS	150	1	-14,19956057	-42,78132104
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VS	250	1	-14,32322331	-42,98200124
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VS	400	1	-14,21465741	-42,76563098
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VS	250	1	-14,22757111	-42,61548089
VS	70	1	-14,22293049	-42,78499241
VS	70	1	-14,22724412	-42,76448998
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VS	250	1	-14,24087929	-42,76954643
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VS	250	1	-14,20851884	-42,75984584
VS	250	1	-14,23059723	-42,76803304
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VS	250	1	-14,22858102	-42,76415681
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VS	250	1	-14,2222749	-42,79459203
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VS	70	1	-14,22890864	-42,76207342
VM	125	1	-14,20784114	-42,79038054
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VM	125	1	-14,34189926	-42,99334869
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VS	250	1	-14,22650158	-42,78228908
VS	250	1	-14,21707648	-42,79994007
VS	250	2	-14,22296633	-42,76261083
VS	250	1	-14,23082313	-42,76263261
VS	250	2	-14,22446817	-42,7631474

ME	400	1	-14,22435765	-42,76361045
VS	70	1	-14,20236072	-42,79077377
ME	400	1	-14,22369668	-42,76430688
VS	250	1	-14,23105017	-42,76064645
VS	70	1	-14,28535489	-42,70902358
VS	70	1	-14,20735229	-42,77578585
VS	250	1	-14,2025802	-42,78884422
VS	250	1	-14,20305883	-42,79024405
VS	70	1	-14,22838321	-42,76384186
VS	70	1	-14,23310126	-42,76152197
VS	250	1	-14,24196506	-42,76785897
VS	70	1	-14,19668732	-42,79581343
VS	250	1	-14,23182281	-42,76013944
VS	250	1	-14,20236585	-42,79048121
VS	70	2	-14,22660005	-42,91495004
VS	70	1	-14,20808008	-42,78893692
VS	250	1	-14,21312257	-42,78485501
VS	250	1	-14,23058823	-42,75931866
VS	70	1	-14,19609436	-42,77376226
VS	250	2	-14,23240729	-42,76541074
VS	70	1	-14,20304358	-42,79282748
VS	70	1	-14,21133308	-42,77532284
VS	70	1	-14,23434094	-42,77250376
VS	70	1	-14,20529499	-42,79359534
VS	250	1	-14,20911636	-42,77713521
VS	70	1	-14,20314145	-42,79123262
VS	250	1	-14,20115441	-42,78579922
VS	250	1	-14,19555957	-42,77390492
VS	70	1	-14,19594251	-42,77218391
VS	250	1	-14,20262422	-42,78574562
VS	250	1	-14,20456758	-42,79526948
VS	400	1	-14,19885863	-42,79518925
VS	250	1	-14,20537668	-42,75564891
VS	250	1	-14,23326994	-42,7736982
VS	250	1	-14,22288015	-42,78701828
VS	70	1	-14,23324117	-42,76133892
VS	70	1	-14,23170509	-42,76102022
VS	250	1	-14,23082222	-42,75945986
VS	250	1	-14,22323989	-42,76488026
VS	250	1	-14,22424705	-42,7634756
VS	70	1	-14,23165989	-42,76147247
ME	400	1	-14,22474671	-42,76343482
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ME	400	1	-14,22469674	-42,76413331
ME	400	1	-14,2241798	-42,76525165
ME	400	1	-14,22410264	-42,76379589
VS	70	1	-14,20265902	-42,79221098
VS	250	1	-14,21343314	-42,79142811
VS	250	1	-14,21209325	-42,77214582
VS	70	1	-14,27237293	-42,63059115
VS	70	1	-14,23118966	-42,76269084
VS	250	1	-14,21280019	-42,79851182
VS	70	1	-14,22483354	-42,76708926
VS	70	1	-14,29919759	-42,7857922
VS	250	1	-14,19660996	-42,77418918
VS	70	1	-14,20323902	-42,79084261
VS	250	1	-14,22481716	-42,76773985
VS	70	1	-14,20836999	-42,78790736
VS	70	1	-14,22554038	-42,92500369
VS	250	1	-14,31849168	-42,98062704
VS	250	1	-14,23384278	-42,77681796
VS	400	1	-14,22262079	-42,92484614

VS	250	1	-14,23112768	-42,78043271
VS	70	1	-14,20997971	-42,76387292
VS	250	1	-14,32144458	-42,97925833
VS	250	1	-14,21641456	-42,80492419
VS	70	1	-14,07277241	-42,82340527
VS	250	1	-14,22387092	-42,78769273
VS	250	1	-14,21957319	-42,77499072
VM	80	1	-14,22121065	-42,77732168
VS	70	1	-14,2152223	-42,775494
VS	70	1	-14,20754602	-42,79485578
VS	70	1	-14,21811042	-42,74791545
VS	250	1	-14,32325224	-42,98156559
VS	400	1	-14,19936281	-42,75859723
VS	250	1	-14,19651291	-42,7571493
VS	250	1	-14,19747556	-42,75488136
VS	250	1	-14,21542917	-42,80317807
VS	70	1	-14,23465793	-42,61800131
VS	250	1	-14,2317727	-42,61749137
VS	250	1	-14,22929539	-42,61660402
VS	250	1	-14,22951232	-42,6162789
VS	400	2	-14,21107847	-42,79564659
VS	70	1	-14,2298948	-42,9661295
VS	250	1	-14,22309343	-42,79313977
VM	400	1	-14,22665691	-42,76505032
VS	70	1	-14,22750741	-42,77047524
VM	125	4	-14,21528544	-42,7727509
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VS	250	2	-14,21528544	-42,7727509
VS	250	2	-14,2266917	-42,7579724
VS	250	1	-14,22671925	-42,7709638
VS	250	1	-14,21724971	-42,76922643
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VS	250	1	-14,21099688	-42,78202268
VS	250	1	-14,23599678	-42,77613942
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VS	400	2	-14,20788143	-42,76353448
VS	70	1	-14,28506579	-42,9950656
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VS	70	1	-14,23643882	-42,76242304
VS	150	1	-14,19960262	-42,78575968
VS	150	1	-14,19958563	-42,78487811
VS	250	1	-14,23078191	-42,77908731
VS	250	1	-14,23047642	-42,77888995
VS	400	1	-14,22375971	-42,7960895
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VS	250	1	-14,2307711	-42,75639798
VS	70	1	-14,22930145	-42,77763663
VS	250	1	-14,23338562	-42,78390695
VS	70	1	-14,2892037	-42,88143821
VS	250	1	-14,21210163	-42,7870033
VS	400	1	-14,22080196	-42,79902356
VS	250	1	-14,19665962	-42,75744235
VS	250	1	-14,07931341	-42,89579729
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VS	70	1	-14,27349862	-42,62057788
VS	70	1	-14,27650014	-42,62232111
VM	125	1	-14,15481578	-42,70605652
VM	125	1	-14,22666832	-42,73588802
VS	250	1	-14,22667575	-42,75778317

VS	70	1	-14,2467386	-42,65203159
VM	125	1	-14,15287073	-42,70644895
VS	250	1	-14,22428074	-42,72857179
VS	70	1	-14,25252591	-42,66157743
VS	70	1	-14,2545174	-42,62373473
VM	125	1	-14,15529481	-42,70611359
VS	70	1	-14,25786163	-42,62759094
VS	70	1	-14,23257873	-42,64579938
VS	400	1	-14,24646647	-42,65894581
VS	70	1	-14,22425514	-42,73055543
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VS	70	1	-14,25149248	-42,6427107
VS	70	1	-14,25350102	-42,62170186
VS	70	1	-14,22553116	-42,72592222
VM	250	1	-14,19373733	-42,65569795
MT	160	1	-14,2443487	-42,65312779
PL	25	1	-14,27111583	-42,63274211
PL	45	1	-14,2487901	-42,64903415
MT	500	1	-14,27054587	-42,62577916
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VS	70	1	-14,21197072	-42,74319369
MT	500	1	-14,27162365	-42,62115846
MT	160	1	-14,23900702	-42,64583617
VS	70	1	-14,18173865	-42,67838657
VS	70	1	-14,25720257	-42,62722759
VS	70	1	-14,19484283	-42,65810136
VS	250	1	-14,20641411	-42,64816122
VS	250	1	-14,24767995	-42,65495418
MT	160	1	-14,24805556	-42,64651075
VS	70	1	-14,21525282	-42,72255472
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VS	70	1	-14,24848784	-42,65377928
VM	125	1	-14,15384861	-42,70597015
VS	250	1	-14,19452522	-42,65852674
VM	125	1	-14,22497922	-42,73145123
VS	70	1	-14,21123053	-42,7428113
VM	80	1	-14,22867424	-42,65162768
VS	70	1	-14,24774143	-42,65561249
VS	70	1	-14,25043506	-42,62206426
VS	250	1	-14,22815218	-42,64442432
VS	70	1	-14,24869238	-42,64505725
VS	70	1	-14,25723023	-42,62702373
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VS	70	1	-14,18367263	-42,68152118
VS	70	1	-14,24405695	-42,65401681
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VS	250	1	-14,19249201	-42,66656982
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VM	125	1	-14,155792	-42,70614292
VS	70	1	-14,24511685	-42,65984102
VS	70	1	-14,24744358	-42,65542624
VS	250	1	-14,2531603	-42,66429529
VS	70	1	-14,24452838	-42,66012666
VS	70	1	-14,11224382	-42,93467523
VS	70	1	-14,08125635	-42,78402067
VS	70	1	-14,28528027	-42,70942552
VS	250	1	-14,2861862	-42,7088187
VS	70	1	-14,28392665	-42,7146152
MT	160	1	-14,16795154	-42,94070164

VS	70	1	-14,28222996	-42,69835811
VS	250	1	-14,28566941	-42,71233077
VM	125	1	-14,07620059	-42,82294735
VS	70	1	-14,05471548	-42,89748004
VS	70	1	-14,22782418	-42,88760994
VS	250	1	-14,24385333	-42,7668678
VS	70	1	-14,24413079	-42,7704901
VS	70	1	-14,18598806	-42,95669552
VS	70	1	-14,26668061	-42,75131696
VS	70	1	-14,14842396	-42,94596305
VM	125	1	-14,08655711	-42,7726541
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VS	70	1	-14,29414226	-42,64152671
VS	70	1	-14,21981023	-42,88859819
VS	70	1	-14,15464855	-42,8288521
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VS	250	1	-14,11655865	-42,90648422
VS	250	1	-14,24434948	-42,7671012
VS	70	1	-14,24434948	-42,7671012
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VS	70	1	-14,24352702	-42,76950951
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VS	250	1	-14,09174831	-42,86009129
PL	15	1	-14,27674992	-42,66396571
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VS	400	1	-14,28580625	-42,71493634
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VS	250	1	-14,09211166	-42,88344649
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VM	125	1	-14,10513134	-42,89181253
VS	150	1	-14,13596295	-42,95347665
VS	70	1	-14,30749262	-42,88278492
VS	250	1	-14,28520826	-42,71536091
VS	70	1	-14,04974795	-42,84594124
VM	125	1	-14,04204535	-42,91532257
VS	70	1	-14,25044671	-42,67821138
VS	70	1	-14,04015102	-42,84973084
VS	70	1	-14,28191166	-42,7111972
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VS	70	1	-14,03629812	-42,87231234
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VS	70	1	-14,28413248	-42,71532044
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VS	70	1	-14,28054406	-42,69979915
VS	70	1	-14,24394035	-42,76386915
VS	250	1	-14,09243042	-42,93431631
VM	125	1	-14,25933598	-42,90839754
VS	70	2	-14,10394403	-42,8753564
VS	250	1	-14,10709549	-42,87393255
VS	250	1	-14,28545845	-42,71634442
VS	70	1	-14,10623653	-42,88385961
VS	250	1	-14,23131623	-42,78091635
VS	250	1	-14,21779804	-42,77337676
VS	250	1	-14,32066774	-42,97909735
VS	70	1	-14,22792966	-42,79898378
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VS	250	1	-14,22541223	-42,78065475

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VS	250	1	-14,21380494	-42,80010385
VM	400	1	-14,32330333	-42,98013794
VS	70	1	-14,204866	-42,78957749
VS	250	1	-14,21205527	-42,76791139
VS	250	1	-14,22078537	-42,769053
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VS	250	1	-14,20044433	-42,7646656
VS	250	1	-14,18272844	-42,91877408
VS	70	1	-14,22972949	-42,76498381
VS	70	1	-14,20994736	-42,79864538
VS	70	1	-14,21179546	-42,76398383
VS	250	1	-14,07874978	-42,8966287
VM	80	1	-14,31374266	-43,0220592
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VS	250	1	-14,22082497	-42,7955972
VM	125	1	-14,21761809	-42,78790429
VS	70	1	-14,29637295	-43,04353521
VS	70	1	-14,22395323	-42,89526882
VS	70	1	-14,2033976	-42,79400892
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VS	70	1	-14,25259881	-43,01252381
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VS	400	1	-14,20327161	-42,75804899
VS	250	1	-14,23915603	-42,7637298
VS	250	2	-14,20826651	-42,7595855
VS	250	1	-14,21607075	-42,79517281
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VS	250	1	-14,22505253	-42,77204877
VS	250	1	-14,21455942	-42,78742884
VS	250	1	-14,32284725	-42,98111878
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VS	70	1	-14,26224543	-42,95178423
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VM	80	1	-14,23860378	-42,76677743
VS	250	1	-14,23860378	-42,76677743
MT	160	1	-14,18873044	-42,89366372
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VS	150	1	-14,19834438	-42,7837158

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VS	250	1	-14,22314331	-42,78351022
VS	70	1	-14,20598336	-42,79122876
VS	250	1	-14,21711531	-42,79914316
VS	250	1	-14,21335012	-42,77011225
VM	125	1	-14,23958098	-42,93407862
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VS	400	1	-14,21344947	-42,78678552
VS	250	1	-14,22894878	-42,79383361
VS	250	1	-14,20920004	-42,78088984
VS	70	1	-14,22398394	-42,75552275
VS	250	1	-14,217387	-42,78812444
PL	25	1	-14,24527854	-42,87627077
VS	250	1	-14,22153315	-42,77545987
VS	70	1	-14,13750892	-42,85295866
VS	70	1	-14,23095901	-42,76740038
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VS	70	1	-14,05309351	-42,90088185
VS	250	1	-14,21845531	-42,77941614
VS	250	1	-14,20897727	-42,76133799
VS	250	1	-14,21282177	-42,77413272
VS	250	1	-14,21887174	-42,76527441
VS	400	2	-14,20282082	-42,75764899
VS	250	1	-14,21905205	-42,79041015
VS	250	1	-14,20608655	-42,78176934
VS	250	1	-14,24386337	-42,76243894
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VS	250	1	-14,19740894	-42,75929996
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VS	70	1	-14,30904749	-43,01221051
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VS	250	1	-14,20102071	-42,76409768
VS	250	1	-14,22878422	-42,77543822
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VS	70	1	-14,21245113	-42,74841801
VS	70	1	-14,21285636	-42,74919469
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VS	70	1	-14,23290494	-42,75091938
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VS	250	1	-14,22103531	-42,77841473
VS	250	1	-14,22314429	-42,77386815
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VS	70	1	-14,20102592	-42,79767425
VS	70	1	-14,20074142	-42,79750626
VM	125	1	-14,23382127	-42,76387873

VS	250	1	-14,2263525	-42,77561077
VS	70	1	-14,24527894	-42,94586896
VS	70	1	-14,3433572	-42,97532895
VS	70	1	-14,24424347	-42,76458111
VS	250	2	-14,19588787	-42,72944641
VS	250	1	-14,22202453	-42,76889036
VS	70	1	-14,22506369	-42,78239536
VS	250	1	-14,22329439	-42,7925195
VS	400	2	-14,20870186	-42,76538697
VS	250	1	-14,32683652	-42,97785414
VS	250	1	-14,21422827	-42,7739767
VS	250	1	-14,20305577	-42,78293147
VS	250	1	-14,2331162	-42,76267366
VS	250	1	-14,22656041	-42,75846013
ME	250	1	-14,25272541	-42,78214493
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VS	250	1	-14,24381555	-42,79320494
ME	250	1	-14,21337941	-42,76329682
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VS	250	1	-14,22818571	-42,61801783
VS	250	1	-14,22225436	-42,79067456
VS	250	1	-14,20770156	-42,75701211
VS	400	1	-14,21644694	-42,80317479
VS	70	1	-14,06638478	-42,90445868
VS	250	1	-14,21433083	-42,78118787
VS	250	1	-14,21329682	-42,77376075
VS	70	1	-14,29997217	-42,69638623
VS	250	1	-14,22693768	-42,75638525
VS	250	1	-14,17666141	-42,73310353
VS	70	1	-14,14485763	-42,82668014
VS	250	1	-14,24064201	-42,75988815
VS	70	1	-14,22235943	-42,75794509
VS	250	1	-14,23579277	-42,77770515
VS	70	1	-14,20073616	-42,80083729
VS	250	1	-14,20709164	-42,79283386
VS	70	1	-14,23293734	-42,61298714
VS	250	1	-14,23991996	-42,76233275
VS	70	1	-14,32393384	-42,6648274
VS	250	1	-14,21463969	-42,80153894
VS	250	1	-14,19547555	-42,76718046
VS	70	1	-14,19525027	-42,76973179
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VS	70	1	-14,23515973	-42,76376273
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VS	250	1	-14,21157417	-42,76419541
VS	250	1	-14,21493192	-42,79506689
VS	250	1	-14,22298983	-42,78068287
VS	70	1	-14,22579489	-42,79924609
VS	250	1	-14,22363917	-42,77563387
VS	400	2	-14,20506381	-42,76025136
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VS	250	1	-14,21222192	-42,76950603
VS	250	1	-14,19758349	-42,75757321
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VS	70	1	-14,3518198	-42,97298238
VS	250	1	-14,21799498	-42,78744998

VS	70	1	-14,24173218	-42,97069419
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VS	250	1	-14,21609186	-42,76940788
VS	400	2	-14,21102006	-42,79145736
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VS	250	1	-14,23554011	-42,7635601
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VS	250	1	-14,2269765	-42,77828091
VS	150	1	-14,22831259	-42,79395967
VS	70	1	-14,20540985	-42,78509944
VS	70	1	-14,22453074	-42,76754499
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VS	150	1	-14,20190467	-42,78380792
VS	250	1	-14,2354801	-42,76535804
VS	250	1	-14,21836907	-42,78945799
VS	250	1	-14,16766922	-42,8801368
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VM	125	1	-14,33258284	-42,89794951
VS	250	1	-14,20238027	-42,78214142
VS	250	1	-14,21781999	-42,78016468
VS	70	1	-14,23290471	-42,75294432
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VS	250	1	-14,21298926	-42,79837142
VS	250	1	-14,1971381	-42,75692441
VS	400	2	-14,20986972	-42,77833953
VS	250	1	-14,26778457	-42,9651849
VS	250	1	-14,22063754	-42,78392794
VS	250	1	-14,23697703	-42,77774627

VS	70	1	-14,27724427	-42,97502355
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VS	70	1	-14,22830634	-42,75837836
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MT	160	1	-14,2255335	-42,94984347
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VS	70	2	-14,29375674	-42,76553225
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VS	250	1	-14,21459048	-42,77237782
VS	250	1	-14,21630945	-42,76358829
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VS	250	1	-14,22923523	-42,75604068
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VS	70	1	-14,22250305	-42,76606051

VS	70	1	-14,24438001	-42,76429423
VS	70	1	-14,22184669	-42,75769361
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VS	250	1	-14,21518951	-42,79644871
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PL	45	1	-14,22324453	-42,87323094
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VS	250	1	-14,25694502	-42,83063074
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VS	250	1	-14,22023422	-42,79380639
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VS	70	1	-14,22290412	-42,76650832
VS	70	1	-14,22306596	-42,9357466
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VS	250	1	-14,22331822	-42,77979424
VS	250	1	-14,22331822	-42,77979424
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VS	250	1	-14,23794296	-42,77263315
VS	250	1	-14,21167636	-42,7815987
VS	250	1	-14,22236756	-42,79391578
VM	125	1	-14,21940666	-42,79253378
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VM	125	1	-14,27792167	-42,94051707
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VS	70	1	-14,21083688	-42,76158665
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VS	70	1	-14,22813882	-42,79759322
VS	250	1	-14,20771921	-42,75811697
VS	250	1	-14,202712	-42,75775057
VS	250	1	-14,18953295	-42,74188048
VS	250	1	-14,22506394	-42,78507391
VS	250	1	-14,21732372	-42,79900487
VS	400	1	-14,19723822	-42,7660821
VS	250	1	-14,21294034	-42,78214057
VS	250	1	-14,32048147	-42,98042241
VS	250	1	-14,21477815	-42,80319431
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VS	250	1	-14,32256492	-42,97723264
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VS	70	1	-14,10893819	-42,91098401
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VS	250	1	-14,21411663	-42,77352544
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VS	70	1	-14,22474993	-42,75345844
VS	250	1	-14,22124455	-42,77523645
VS	70	1	-14,3337727	-42,70181838
VS	70	1	-14,31788513	-42,94474838
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ME	250	1	-14,2173707	-42,75967608
VS	70	1	-14,22915264	-42,78167719

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VS	70	1	-14,20060476	-42,79779103
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VS	400	2	-14,2179503	-42,78178704
VS	250	1	-14,22732702	-42,78702401
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VS	70	1	-14,30281322	-42,9700643
VS	250	1	-14,27411019	-42,8243992
VS	250	1	-14,20239167	-42,78418029
VS	250	1	-14,21463561	-42,7667894
ME	400	1	-14,21753476	-42,764927
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VS	250	1	-14,22568227	-42,78123894
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VS	150	1	-14,22702944	-42,7944581
VS	250	1	-14,22611864	-42,77295151
VS	250	1	-14,15961289	-42,87582327
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VS	70	1	-14,21713586	-42,9026192
VS	250	1	-14,2281337	-42,7808488
VS	250	1	-14,2400237	-42,76098909
VS	250	2	-14,23145229	-42,7779313
VS	250	1	-14,22271068	-42,78033899
VS	400	2	-14,2115681	-42,80236067
VS	250	1	-14,23755307	-42,76422587
VS	250	1	-14,2373946	-42,77645284
VS	70	1	-14,21530408	-42,78643047
VS	250	1	-14,21399625	-42,7816744
VM	400	1	-14,22339743	-42,78321451
VS	70	1	-14,12723077	-42,78002995
VS	70	1	-14,12723077	-42,78002995
VS	70	1	-14,23378751	-42,76898393
VS	250	1	-14,23689441	-42,7725647
VS	250	1	-14,23564559	-42,77570259
VS	250	1	-14,23564559	-42,77570259
VS	250	2	-14,21904279	-42,77112318
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VS	250	1	-14,23144786	-42,78152751
VS	250	1	-14,20730234	-42,78148723
VS	250	1	-14,20485013	-42,78172905
VS	250	1	-14,20447163	-42,78173878
VS	70	1	-14,30186124	-42,97955378
VS	250	1	-14,21661535	-42,80054217
VS	70	1	-14,22297368	-42,91281358
VS	250	1	-14,19593443	-42,75641517
VS	70	1	-14,28436734	-42,95665091
VS	250	1	-14,22770694	-42,62141333
VS	250	1	-14,22784066	-42,62113638
VS	250	1	-14,21141861	-42,76908626
VS	250	1	-14,20120572	-42,78189644
VS	250	1	-14,20652605	-42,75868343
VS	70	1	-14,35283501	-42,97453538
VS	70	1	-14,35397796	-42,97360373
VS	250	1	-14,20270861	-42,75896163
ME	250	1	-14,22704944	-42,76387455
VS	250	1	-14,22932782	-42,76195164
LED	10	1	-14,28684983	-42,78843858
VS	70	1	-14,22291848	-42,75702383
VS	250	1	-14,23608609	-42,76528593
ME	250	1	-14,21443062	-42,7624767
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VS	70	1	-14,27233486	-42,61146194
VS	250	1	-14,22969697	-42,61682923
VS	250	1	-14,22690942	-42,61766967
VS	250	1	-14,22547142	-42,61975658
VS	250	1	-14,15778091	-42,78375115
VS	250	1	-14,22179461	-42,7756832
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VS	250	1	-14,2145388	-42,788198
VS	70	1	-14,23789101	-42,78026126
VS	250	1	-14,21383359	-42,78269971
VS	250	1	-14,32325306	-42,97917344

VS	250	1	-14,22966949	-42,77567295
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VS	250	1	-14,32473357	-42,97969908
VS	250	1	-14,17438331	-42,73583408
VS	250	1	-14,20461402	-42,79663466
VS	70	1	-14,20995834	-42,77052711
VM	125	1	-14,25423567	-42,86947536
VM	125	1	-14,25855125	-42,87129497
VM	400	1	-14,22007324	-42,76839256
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VS	250	1	-14,22027127	-42,77147026
VS	70	1	-14,3338482	-42,93900494
VS	250	1	-14,23288921	-42,77328074
VS	70	1	-14,24283449	-42,75846803
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VS	250	1	-14,23522633	-42,77673926
VS	250	1	-14,23440229	-42,94744481
VS	250	1	-14,20221025	-42,78386763
VS	70	1	-14,25989091	-42,99583007
VS	250	1	-14,22419676	-42,78758263
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VS	250	1	-14,21435897	-42,78239567
VS	70	1	-14,22729977	-42,75909285
VS	70	1	-14,26746749	-42,89107778
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VS	70	1	-14,26041276	-42,89987666
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VS	250	1	-14,21909253	-42,80226714
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VS	250	1	-14,21773371	-42,79535471
VS	250	1	-14,22157947	-42,78891747
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VS	250	1	-14,22633761	-42,61726474
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VS	250	1	-14,24336638	-42,76178815
VS	70	1	-14,25478263	-42,60854221
VS	70	1	-14,22945169	-42,75260321
VS	70	1	-14,22766478	-42,75289334
VS	70	1	-14,2307563	-42,75393072
VS	70	1	-14,22967877	-42,75138134
VS	70	1	-14,2106036	-42,75059312
VS	400	2	-14,21137386	-42,79924351
VS	70	1	-14,2269151	-42,98799833

VS	400	1	-14,22594992	-42,79075811
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VS	70	1	-14,22559404	-42,79896437
VS	250	1	-14,23663526	-42,77243666
VS	70	1	-14,22257321	-42,79084834
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VS	250	1	-14,21894188	-42,80367229
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VS	250	1	-14,22223479	-42,77655591
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VS	70	1	-14,2318108	-42,74575163
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VS	250	1	-14,22880301	-42,76018265
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VS	70	1	-14,21021074	-42,76321439
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VS	400	2	-14,21180133	-42,7903294
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VS	250	1	-14,22001404	-42,77671359
VS	250	1	-14,19685066	-42,7568736
VS	250	1	-14,1962238	-42,75754099
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VS	70	1	-14,27543736	-42,93628779
VM	125	1	-14,16816976	-42,62118183

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VS	70	1	-14,22453145	-42,91389648
VS	400	1	-14,20839666	-42,76413638
VS	250	1	-14,22155369	-42,78105516
VS	70	1	-14,24041349	-42,9856656
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VS	400	1	-14,19768747	-42,76588557
VS	70	1	-14,21191172	-42,79520464
VS	70	1	-14,31597693	-42,94284937
VS	70	1	-14,20101606	-42,80094948
VS	250	1	-14,22009085	-42,78521433
VS	250	1	-14,23456493	-42,76598524
PL	25	1	-14,08103729	-42,93529019
VS	250	1	-14,32231636	-42,98313617
VS	250	1	-14,21673821	-42,78746417
VS	250	1	-14,21830686	-42,7694339
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VS	250	1	-14,22340893	-42,78246382
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VS	250	1	-14,22475655	-42,7879768
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VM	125	1	-14,22127929	-42,79741072
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VS	70	1	-14,24368769	-42,765914
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VS	250	1	-14,21303743	-42,7756001
ME	250	1	-14,21428702	-42,75876728
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ME	250	1	-14,21543593	-42,75912125
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VS	70	1	-14,22658833	-42,94755514
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VS	250	1	-14,20140489	-42,75653219
VS	250	1	-14,13396875	-42,84990563
VS	250	1	-14,13396875	-42,84990563
VS	400	1	-14,21826256	-42,80134983
VS	70	1	-14,25353836	-42,78259071
VS	70	1	-14,25345635	-42,78311731
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ME	250	1	-14,21308343	-42,76269221
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VS	250	1	-14,21580844	-42,78975941
VS	250	1	-14,22794341	-42,61591197
VS	250	1	-14,22794341	-42,61591197
VS	70	1	-14,22341271	-42,6010753
VS	70	2	-14,26133545	-42,59867783
VS	250	2	-14,22838539	-42,61772178
VS	400	8	-14,22838539	-42,61772178
VS	250	1	-14,2124791	-42,77664315
VS	70	1	-14,23445944	-42,76504874
VM	125	1	-14,33753347	-42,91671964
VM	125	1	-14,26115455	-42,95638073
VS	250	1	-14,21782609	-42,76429775
VS	250	1	-14,22841905	-42,78001719
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VS	250	1	-14,22943224	-42,78188206
ME	250	1	-14,21422376	-42,75963936
VS	70	1	-14,2033954	-42,79374544
ME	250	1	-14,21634244	-42,75702867
VS	70	1	-14,19740631	-42,61632106
VS	250	1	-14,22780639	-42,61684172
VS	70	1	-14,22776002	-42,61718759
VS	250	1	-14,20974412	-42,76120302
VS	70	1	-14,21462509	-42,78670617
VS	400	2	-14,2098263	-42,77779258
VS	250	1	-14,22676592	-42,78163193
VS	70	1	-14,21749957	-42,94061942
VS	250	1	-14,21099755	-42,79822274
VS	250	1	-14,23308708	-42,76738707
VS	250	1	-14,22110981	-42,79422651
VS	70	1	-14,22772602	-42,75253986
VS	250	1	-14,22549406	-42,61691052
VS	250	1	-14,2080544	-42,76372746
VS	400	1	-14,2080544	-42,76372746
VS	400	2	-14,21285493	-42,78886873
VS	250	1	-14,21270725	-42,78704246
VS	250	1	-14,20317644	-42,76238587
VS	250	1	-14,22361025	-42,7954123
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VS	250	1	-14,23463754	-42,78319284
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VS	250	1	-14,21628183	-42,78814703
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ME	250	1	-14,21391727	-42,76244774
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VS	250	1	-14,2237266	-42,781206
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VS	250	1	-14,21676014	-42,80222778
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VS	70	1	-14,24082405	-42,76468418
VS	70	1	-14,21142856	-42,76316415
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VS	250	1	-14,22236302	-42,79527819
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VS	250	1	-14,23249691	-42,78471953
VS	250	1	-14,20754837	-42,76080644
VS	250	1	-14,1953454	-42,75895058
VS	250	1	-14,21969835	-42,786127
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VS	400	2	-14,21158327	-42,79065302
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VS	250	1	-14,22471295	-42,78458148
VS	70	1	-14,29425233	-43,04881894

VS	70	1	-14,22699885	-42,76143028
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VM	125	1	-14,22153628	-42,79103974
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VS	70	1	-14,21014021	-42,77020335
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VS	70	1	-14,20932193	-42,78823557
VS	250	1	-14,19772428	-42,75324724
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VS	70	1	-14,21082766	-42,7704382
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VS	250	1	-14,21705731	-42,77281251
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VS	250	1	-14,22032506	-42,79525272
VS	70	1	-14,30090311	-43,03920803
VS	250	1	-14,20291915	-42,7616715
ME	250	1	-14,21471095	-42,75993766
VS	70	1	-14,23045157	-42,60828772
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VM	125	1	-14,11756896	-42,67650042
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VS	150	1	-14,20036155	-42,78192357
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VS	250	1	-14,23445486	-42,75949302
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VM	125	1	-14,15435558	-42,62970331
VS	70	1	-14,27064494	-42,97645057
VS	70	1	-14,27708413	-42,97553726
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VM	125	1	-14,15882586	-42,6278108
VS	250	1	-14,15110394	-42,62885686
VS	70	1	-14,28576174	-42,99580008
VS	70	1	-14,27915915	-42,98948674
PL	30	1	-14,15282818	-42,62964213
VS	250	1	-14,15063774	-42,62841575
VS	70	1	-14,32988579	-42,97260526
VS	70	1	-14,27636905	-42,97280787
VS	70	1	-14,34549634	-42,94882356
VS	70	1	-14,27350287	-42,97473282
VM	125	1	-14,15822946	-42,62851263
VS	70	1	-14,27802486	-42,99051949
VS	250	1	-14,16401003	-42,62872447
VS	250	1	-14,15108992	-42,62851474
VS	70	1	-14,27550585	-42,98278932
VS	70	1	-14,34981703	-42,94839924
VS	70	1	-14,27709737	-42,99263048
VS	70	1	-14,27974529	-42,98932688
VS	70	1	-14,27187897	-42,98533534
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VS	250	1	-14,15196061	-42,62900163
VS	70	1	-14,28219967	-42,98921355
VS	70	1	-14,25282495	-42,63467763
VS	70	1	-14,248068	-42,65850551
VS	70	1	-14,22326475	-42,72218271
MT	160	1	-14,24184847	-42,64156185
VS	70	1	-14,21179136	-42,74272045
VS	70	1	-14,27209628	-42,6298353
VS	70	1	-14,26131084	-42,62589478
VM	80	1	-14,22923306	-42,65143705
MT	160	1	-14,24428623	-42,64951257
VS	70	1	-14,18665601	-42,68537635
VS	70	2	-14,18174067	-42,68231866
VS	250	1	-14,20182312	-42,67599658
VS	70	1	-14,24902187	-42,64692136
VM	400	1	-14,15625294	-42,70619993
VS	70	1	-14,22331806	-42,73219524
VM	250	1	-14,19412606	-42,65528741
VS	70	1	-14,1817249	-42,6801436
VS	250	1	-14,25274389	-42,66447947
MT	160	1	-14,23710833	-42,64584005
MT	160	1	-14,25124285	-42,64809566
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VS	250	1	-14,22370797	-42,79321606
VS	70	1	-14,14751573	-42,78293595
VS	250	1	-14,14644293	-42,74215609
VS	250	1	-14,22387628	-42,79464229
VS	70	1	-14,22596229	-42,7922878
VM	125	1	-14,29267729	-42,82817973
PL	25	1	-14,13959419	-42,75229761
VS	250	1	-14,2239939	-42,79423657

VS	400	1	-14,22495687	-42,79284968
VS	400	1	-14,2251487	-42,79225717
VS	70	1	-14,13622826	-42,73857463
VS	400	4	-14,13622826	-42,73857463
VS	70	1	-14,28538679	-42,82220733
VS	250	1	-14,22440484	-42,79300531
VS	70	1	-14,29585374	-42,82958544
VS	250	1	-14,22607917	-42,78975795
VS	250	1	-14,22411272	-42,79384771
VS	400	1	-14,22467379	-42,79369211
VM	125	1	-14,29433424	-42,83276088
MT	160	1	-14,29838078	-42,82491068
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VS	70	1	-14,2931266	-42,85582099
VS	70	1	-14,14546334	-42,74024429
VS	250	1	-14,29137445	-42,85584914
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VS	250	1	-14,22544982	-42,79142406
PL	45	1	-14,14713564	-42,78304583
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VS	400	1	-14,22428123	-42,79483074
VS	250	1	-14,22451444	-42,79267204
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VS	250	1	-14,22593304	-42,79020232
VS	70	1	-14,29616948	-42,83270699
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VS	400	1	-14,22418064	-42,79517331
VS	70	1	-14,29858777	-42,82713737
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ME	400	1	-14,14597649	-42,74095936
VM	125	1	-14,29356855	-42,83015059
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VS	70	1	-14,2978683	-42,82700374
VS	250	1	-14,22353499	-42,79357692
VS	70	1	-14,29238948	-42,85453947
VS	250	1	-14,28621302	-42,82394284
VS	250	1	-14,14666739	-42,7426664
VS	70	1	-14,29610371	-42,84988724
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PL	30	1	-14,16301325	-42,88943904
VS	70	1	-14,16139264	-42,8740822
VS	70	1	-14,15968862	-42,88178646
VS	70	1	-14,16124061	-42,87575601
VS	70	1	-14,15791804	-42,8833079
VS	70	1	-14,16070342	-42,87574988
VS	70	1	-14,16118339	-42,8752081
VS	70	1	-14,16525032	-42,86961127
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VM	125	1	-14,16785179	-42,87085675
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VS	70	1	-14,15369551	-42,86570393
ME	400	1	-14,1578538	-42,87410606
VS	70	1	-14,19634799	-42,77269396
VS	70	1	-14,1651583	-42,8868777
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VM	400	1	-14,16664645	-42,87456034
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VS	70	1	-14,16708301	-42,871111326
VS	70	1	-14,22276174	-42,76633563
VS	70	1	-14,31852289	-43,02239119
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MT	250	1	-14,21293441	-42,7631527
VS	70	1	-14,27560709	-42,93680762
VS	70	1	-14,22026776	-42,78640126
VS	250	1	-14,21896218	-42,79569265
VM	80	1	-14,2205907	-42,79263985
VS	250	1	-14,22857349	-42,75347331
VS	250	1	-14,21595328	-42,77312388
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VS	70	1	-14,25773282	-43,00580844
VS	250	1	-14,31557219	-42,9416138
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VS	70	1	-14,30829936	-43,04034715
VS	250	1	-14,24128788	-42,75864825
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VS	400	1	-14,21038355	-42,78708077
VS	400	1	-14,1996882	-42,75791253
VS	70	1	-14,18365248	-42,94090419
VS	250	1	-14,11064386	-42,78718726
VS	250	1	-14,20998454	-42,79018409
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VS	70	1	-14,23368173	-42,74574219
VS	250	1	-14,21654432	-42,77487754
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VS	400	2	-14,21130429	-42,79841844
VS	250	1	-14,22422241	-42,78907038
VS	70	1	-14,20218833	-42,79919501
VS	250	1	-14,24192004	-42,75602721
VS	250	1	-14,22368745	-42,77746916
VS	70	1	-14,22803485	-42,75537862
VS	250	1	-14,21755712	-42,77202642
VS	250	1	-14,21348719	-42,76360284
VS	250	1	-14,22860992	-42,77898746
VS	250	1	-14,22962503	-42,76086571
VS	70	1	-14,22304451	-42,76820211
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VS	250	1	-14,32217484	-42,9863081
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VS	250	1	-14,23809198	-42,77686027
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VS	250	1	-14,21167119	-42,7804124
VS	70	1	-14,20457168	-42,78503363
VS	250	1	-14,21469389	-42,79595578
VS	250	1	-14,22424693	-42,77779546

VS	70	1	-14,23657896	-42,75984362
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VS	250	1	-14,21662068	-42,78746376
VS	250	1	-14,3193405	-42,97937904
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VS	250	1	-14,22668366	-42,62255411
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VM	125	1	-14,31513969	-43,01672514
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VS	250	1	-14,32267184	-42,97761325
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VS	70	1	-14,20391456	-42,7920779
VS	70	1	-14,21182746	-42,63373053
VM	125	1	-14,17492205	-42,79659103
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VS	250	1	-14,22564605	-42,77012759
VS	250	1	-14,23100248	-42,75955232
ME	400	1	-14,22457422	-42,76337372
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VS	70	1	-14,22264484	-42,76796664
VS	250	1	-14,23279987	-42,76074239
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VS	250	1	-14,23017994	-42,75963058
VS	70	1	-14,22508647	-42,90405017
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VS	250	1	-14,20559808	-42,78867097
VS	250	2	-14,2252211	-42,76354819
VS	250	1	-14,21259041	-42,77203749
ME	400	1	-14,22375844	-42,76486829
VS	250	2	-14,22660389	-42,77515024
VS	70	1	-14,20302292	-42,79213133
VS	250	1	-14,22835535	-42,77216276
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VS	250	1	-14,20023076	-42,76042023
ME	250	1	-14,20783566	-42,78129897
VS	70	1	-14,19523635	-42,77384627
VS	70	1	-14,22845241	-42,76128332
VS	400	2	-14,28602048	-42,71585484
VS	70	1	-14,27137183	-42,74013396
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VS	250	1	-14,18542706	-42,95681363
VS	70	1	-14,13753379	-42,93613436
VS	70	1	-14,28044847	-42,65719958
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VS	70	1	-14,17093989	-42,83643479
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VS	70	1	-14,28558208	-42,71130142
VS	70	1	-14,29643887	-42,72482564
VS	250	1	-14,08679364	-42,82124376
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VM	125	1	-14,17843733	-42,9457114
VS	100	1	-14,09261637	-42,89726617
VS	70	1	-14,1969627	-42,90097328
VS	70	1	-14,28544843	-42,71666887
VS	250	1	-14,28830276	-42,69316647
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VM	125	1	-14,13929555	-42,67649956
VM	125	1	-14,14300003	-42,65457043
VS	70	1	-14,15081808	-42,63882278
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VM	125	1	-14,14641017	-42,67041465
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VM	125	1	-14,15025506	-42,66960126
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VS	250	1	-14,15215034	-42,65775611
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VS	70	2	-14,13825519	-42,69567509
VS	70	1	-14,13861504	-42,69317462
VM	125	1	-14,14708197	-42,66292092
VS	70	1	-14,15209103	-42,68222636
VS	70	1	-14,1702418	-42,64459428
VM	125	1	-14,13609751	-42,69490725
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VS	70	1	-14,22447043	-42,7891731
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VS	70	1	-14,26106493	-42,59838974
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VS	70	1	-14,20689307	-42,76781653
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VS	250	1	-14,21686879	-42,78495957
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VS	250	1	-14,31745797	-42,98791936
VS	70	1	-14,22983467	-42,75053953
VS	250	1	-14,21911845	-42,76649548
VS	250	1	-14,19771759	-42,79824318
VS	70	1	-14,20680562	-42,80606252
VS	250	1	-14,3233957	-42,9862207
VS	250	1	-14,23560316	-42,77484971
VS	70	1	-14,22617647	-42,78492945
VS	250	1	-14,21595377	-42,78130752
VS	250	1	-14,22851022	-42,74987839
VS	70	3	-14,19015766	-42,76615064
VS	70	1	-14,31764838	-42,98416712
VS	250	1	-14,21266738	-42,7826679
VS	70	1	-14,2305859	-42,75492366
VS	70	1	-14,22899369	-42,76301706
VS	100	1	-14,2055339	-42,80622225
VS	70	1	-14,1138732	-42,86232829
VS	250	1	-14,22182035	-42,78165203
VM	125	1	-14,20426333	-42,77582743
VS	250	1	-14,2202948	-42,79687176
VS	250	1	-14,20634235	-42,79323032
VS	250	1	-14,2224786	-42,7739215
VS	70	1	-14,11555446	-42,85805871
VS	250	1	-14,22278641	-42,7747148
VS	250	2	-14,23134942	-42,77933783
VS	250	1	-14,23019709	-42,77746358
VS	70	1	-14,3618568	-42,97471352
VS	70	1	-14,21679619	-42,79452659
ME	250	1	-14,21284887	-42,76006426
VS	250	1	-14,22626041	-42,61781796
VM	125	1	-14,2619263	-42,955559
VS	250	1	-14,2168296	-42,78716791
VS	400	1	-14,20897863	-42,76591774
VS	150	1	-14,19919649	-42,7814867
VS	150	1	-14,20034344	-42,78223406
VS	250	1	-14,20821273	-42,75647554
VS	250	1	-14,22860626	-42,78287095
VS	250	1	-14,21783178	-42,77932133
VS	250	1	-14,23510993	-42,74996391
VM	80	1	-14,22635714	-42,78771986
VS	250	1	-14,19970597	-42,78330577
VM	125	1	-14,08341562	-42,89586685
VS	70	1	-14,19857303	-42,76057077
VS	250	1	-14,22296634	-42,87585089
VS	250	1	-14,22676679	-42,78412513
VS	70	1	-14,24358065	-42,75980528
VS	250	1	-14,2105911	-42,77109533
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VS	250	1	-14,17662887	-42,7317395
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VS	250	1	-14,22271399	-42,7820907
VS	250	1	-14,21728417	-42,78089502
VS	250	1	-14,32133349	-42,97988834
VS	70	1	-14,22108921	-42,79769273
VS	250	1	-14,23144418	-42,78041526
VS	250	2	-14,21168875	-42,78822717

VS	250	1	-14,21573719	-42,7988146
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VS	250	1	-14,21503891	-42,78458524
VS	250	1	-14,3178281	-42,98421231
VS	250	1	-14,23081036	-42,77149966
VS	250	1	-14,22682164	-42,76752852
VS	70	1	-14,10995586	-42,79325207
VS	70	1	-14,19592217	-42,78321716
VS	70	1	-14,21273761	-42,79778722
VS	250	1	-14,22645965	-42,78679338
VS	250	1	-14,21322747	-42,78280884
VS	250	1	-14,17811392	-42,81344876
VS	150	16	-14,22482439	-42,77951523
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VS	70	1	-14,03648221	-42,87210736
VS	250	1	-14,19556876	-42,77089256
VS	70	1	-14,10711237	-42,87923128
VS	250	1	-14,1759277	-42,73596359
VS	250	1	-14,21849218	-42,79020431
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VS	250	1	-14,21152741	-42,78014314
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VS	250	2	-14,23324137	-42,77548121
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VS	250	1	-14,32333141	-42,97990626
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VS	250	2	-14,22311065	-42,78794034
VS	400	2	-14,21097405	-42,79442288
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VS	70	1	-14,21825044	-42,79493945
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VS	70	1	-14,23203602	-42,77494759
VS	250	1	-14,22761276	-42,76199132
VS	250	1	-14,24022035	-42,7616942
VS	70	1	-14,31090303	-42,86997553
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VS	250	1	-14,22658707	-42,76036507
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VS	250	2	-14,20904473	-42,76676021
VS	400	2	-14,21324726	-42,78836648
VS	250	1	-14,20631545	-42,78169542
VS	250	1	-14,21749313	-42,74659864
VS	250	1	-14,21750595	-42,74776063
VS	70	1	-14,32409127	-42,98417464
VS	70	1	-14,32723722	-42,979849
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VS	70	1	-14,24285561	-42,75751338
VS	250	1	-14,22524503	-42,78350411
VS	250	1	-14,21779308	-42,79653196

VS	250	1	-14,21691349	-42,80001365
VS	250	1	-14,21319603	-42,79411487
VM	80	1	-14,20784038	-42,79409927
PL	45	1	-14,12085874	-42,91038644
VS	250	1	-14,19380793	-42,76992867
VS	250	1	-14,21494871	-42,76782846
VS	250	1	-14,32167059	-42,97921647
VS	250	1	-14,22285733	-42,79015068
VM	250	1	-14,21918674	-42,78521121
VS	250	1	-14,21918674	-42,78521121
VS	400	2	-14,22030325	-42,7811
VS	250	1	-14,21731866	-42,80051554
VS	250	1	-14,3234053	-42,97952643
VS	70	1	-14,22383216	-42,78573698
VM	125	1	-14,23342621	-42,76324269
VS	70	1	-14,11901111	-42,80388775
VS	70	1	-14,21959815	-42,79204323
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VS	400	1	-14,22404379	-42,79554357
VS	250	1	-14,20899391	-42,77708827
VS	250	1	-14,22984897	-42,76963657
VS	250	1	-14,22984897	-42,76963657
VS	70	1	-14,235839	-42,76339426
ME	250	1	-14,21636377	-42,76041695
ME	250	1	-14,21659069	-42,75851729
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ME	250	1	-14,21251223	-42,76378938
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VS	250	1	-14,32223974	-42,98591897
VS	250	1	-14,22630546	-42,61763299
VS	70	1	-14,20283325	-42,79125611
VS	250	1	-14,24112079	-42,76284657
VS	250	1	-14,24368793	-42,76018567
VS	250	1	-14,24357563	-42,76138101
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VS	250	1	-14,20630812	-42,75844193
VS	250	1	-14,22607569	-42,75450089
VS	250	1	-14,22376517	-42,78251352
VS	70	1	-14,21885809	-42,79978877
VS	250	1	-14,23464336	-42,76729333
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VS	250	1	-14,2130103	-42,78718502
VS	250	1	-14,21424598	-42,78376693

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VS	70	1	-14,28934012	-42,91120665
VS	400	2	-14,21708754	-42,78296112
VS	70	1	-14,23186966	-42,74560917
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VS	250	1	-14,2161291	-42,79665589
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VS	250	1	-14,21735732	-42,77230379
VS	150	1	-14,21858618	-42,76973142
VS	250	1	-14,2360839	-42,77436937
VS	250	1	-14,22727771	-42,78271809
VS	250	1	-14,22139838	-42,79444995
VS	250	1	-14,23323532	-42,76203822
VS	250	2	-14,22536778	-42,76353867
VS	250	1	-14,22743473	-42,7844611
VS	250	1	-14,2074907	-42,79245528
VS	70	1	-14,19439019	-42,80056481
VS	250	1	-14,22447316	-42,78601724
VS	250	1	-14,22693905	-42,77845345
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VS	70	1	-14,21276296	-42,79693727
VS	70	1	-14,20529003	-42,80593734
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VS	250	1	-14,20335916	-42,78139411
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VS	70	1	-14,22106415	-42,75793077
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VS	70	1	-14,3406385	-42,92963066
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VS	250	1	-14,23212707	-42,6176513
VS	250	1	-14,22927783	-42,61689279
VS	150	1	-14,19751787	-42,61340127
VM	125	1	-14,31456491	-43,01794639
VS	70	1	-14,20471417	-42,76215932
VS	250	1	-14,2135329	-42,799561
VS	250	1	-14,2111612	-42,78861171
VS	250	1	-14,19552541	-42,76812523
VS	250	1	-14,22618673	-42,78455875
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VS	250	1	-14,21564565	-42,79250216
VS	250	1	-14,21502798	-42,79879293
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VS	250	1	-14,20943133	-42,74912273
VS	250	1	-14,22511202	-42,78144088
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VS	250	1	-14,22233829	-42,79183959
VS	70	1	-14,08522494	-42,87644673
VS	250	1	-14,21282608	-42,76437366
VS	70	1	-14,22936636	-42,76166092
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VS	250	1	-14,28583701	-42,61104759
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VS	250	1	-14,32538824	-42,98316964
VS	250	1	-14,23082554	-42,75253342
VS	250	1	-14,23289057	-42,77160487
VS	250	1	-14,2394869	-42,77023578

VM	400	1	-14,19998034	-42,79975036
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VS	250	1	-14,17478318	-42,73710671
VS	250	1	-14,1721811	-42,73766505
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VS	250	1	-14,23491658	-42,77746117
VS	250	1	-14,21745993	-42,76852276
VS	250	1	-14,24272509	-42,75875501
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VS	250	2	-14,25231957	-42,89425743
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VS	250	1	-14,20988306	-42,77294982
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VS	250	1	-14,20371028	-42,78184942
VS	250	1	-14,21678525	-42,79780742
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PL	30	1	-14,27754809	-43,03131723
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VS	250	1	-14,24281004	-42,76329716
VS	250	1	-14,2224487	-42,78027321
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VS	150	1	-14,22750918	-42,79469575
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VS	70	1	-14,23903369	-42,98483473
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VS	70	1	-14,29682025	-43,04461266
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VS	70	1	-14,22712789	-42,79992717
VS	250	1	-14,20193923	-42,78153752
VS	250	1	-14,2127838	-42,78850704
VS	250	1	-14,21378436	-42,78199582
VS	250	1	-14,22059402	-42,78065612
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VS	250	1	-14,23421426	-42,76538159
VS	70	1	-14,11860865	-42,90469512
VS	250	1	-14,22197128	-42,77973402
VS	70	1	-14,34541392	-42,97643204

VM	125	1	-14,32038263	-42,65000875
VS	70	1	-14,20172586	-42,7974401
VS	70	1	-14,20972105	-42,78783844
VS	70	1	-14,19942831	-42,79990597
VM	125	1	-14,21777135	-42,78946037
VS	250	1	-14,22439738	-42,78133778
VS	250	1	-14,22289369	-42,78243424
VS	250	1	-14,23629954	-42,77703554
VS	70	1	-14,2247158	-42,75567347
VS	70	1	-14,23029844	-42,75488025
VS	70	1	-14,3152821	-42,94124164
VS	70	1	-14,31746657	-42,95043411
VS	250	1	-14,21443693	-42,79980356
VS	250	1	-14,23438918	-42,77838624
VS	400	1	-14,22468126	-42,79416482
VS	70	1	-14,21037468	-42,75392517
ME	250	1	-14,21380625	-42,7591819
VS	250	1	-14,21981975	-42,77965251
VS	250	1	-14,22226923	-42,78992602
VS	250	1	-14,19128938	-42,75873702
ME	250	1	-14,21842234	-42,75888893
VS	70	1	-14,22663613	-42,60111996
VS	250	1	-14,21704651	-42,78510365
VS	70	1	-14,0541831	-42,89720013
VM	125	1	-14,29670049	-43,045122
VS	70	1	-14,21145996	-42,77714904
VM	125	1	-14,33819852	-42,91540562
VS	70	1	-14,21337898	-42,79347287
VS	70	1	-14,22763167	-42,7532434
VS	250	1	-14,23239518	-42,75095431
VS	250	1	-14,21303194	-42,77064871
VS	250	1	-14,21464588	-42,78312882
ME	250	1	-14,21419734	-42,78871063
VS	250	1	-14,21462562	-42,76989413
VS	250	1	-14,23492688	-42,78260536
VS	250	1	-14,32465151	-42,98282179
VS	70	1	-14,23041616	-42,76509938
VS	70	1	-14,20284847	-42,79931502
VS	70	1	-14,20280699	-42,79890498
VS	70	1	-14,2022112	-42,79846454
VS	250	1	-14,23711284	-42,76369514
VS	400	2	-14,21262789	-42,78917378
VS	250	1	-14,21335944	-42,78392144
VS	70	1	-14,21853028	-42,79507018
VS	250	2	-14,23342324	-42,77515743
VS	250	1	-14,21729684	-42,78895232
VS	250	1	-14,22110128	-42,77759009
ME	250	1	-14,21289665	-42,76155525
VS	250	1	-14,21774814	-42,78001614
VS	250	1	-14,21816357	-42,79929513
VS	70	1	-14,20611729	-42,76726518
VM	125	1	-14,34973987	-42,97532874
VS	250	1	-14,22781457	-42,78442533
VS	250	2	-14,21932711	-42,78376587
VS	250	1	-14,23488123	-42,77443016
VS	70	1	-14,24111861	-42,76400603
VS	250	1	-14,21259539	-42,78531825
VS	250	1	-14,20709338	-42,76027852
VS	250	1	-14,17697379	-42,73277502
VS	70	1	-14,24464422	-42,76366481
VS	250	1	-14,22383931	-42,77366661
VS	250	1	-14,21268996	-42,77541337

VS	250	1	-14,23122713	-42,75802365
VS	70	1	-14,2884782	-42,96431255
VS	250	1	-14,20928424	-42,7768888
VS	250	1	-14,22032759	-42,79563254
VS	250	1	-14,25719884	-42,83064362
VM	125	1	-14,34066636	-42,91077925
VS	70	1	-14,30241541	-43,03655421
VS	250	1	-14,22425016	-42,77312989
VS	250	1	-14,21590584	-42,7900515
VS	70	1	-14,20612838	-42,7660064
VS	250	2	-14,22355602	-42,76282997
VS	70	1	-14,24744114	-42,98920038
VM	125	1	-14,25092205	-42,98927381
VS	250	1	-14,22010514	-42,77530672
VS	250	1	-14,19478418	-42,75910477
VS	250	1	-14,1932259	-42,75882992
VS	250	1	-14,19733361	-42,75993063
VS	70	1	-14,34186589	-42,99268092
VM	125	1	-14,32771581	-42,88909749
VS	70	1	-14,25166969	-42,59888409
VS	250	1	-14,22848735	-42,61674883
VS	70	1	-14,16399059	-42,61845551

Caculé

Tipo_Lampada	Potencia_Lampada	Qtd_Lampada	Latitude	Longitude
VS	70	1	-42,22660999	-14,49772741
VS	70	1	-42,22231792	-14,51299636
VS	70	1	-42,22296048	-14,49656724
VS	150	1	-42,22333222	-14,50639506
VS	150	3	-42,21891044	-14,51158002
FL	25	4	-42,21891044	-14,51158002
VS	70	1	-42,2182638	-14,50088735
VS	70	1	-42,22196649	-14,5049045
VS	70	1	-42,34243735	-14,51931479
VS	70	1	-42,22657896	-14,49576813
VS	70	1	-42,22453356	-14,5012764
VS	70	1	-42,22409	-14,40916661
VS	70	1	-42,22389727	-14,50532762
VS	70	1	-42,22120675	-14,50618911
VS	70	1	-42,22041587	-14,51354064
VS	70	1	-42,44633668	-14,36810929
VS	70	1	-42,43835228	-14,41112182
VS	70	1	-42,4390876	-14,41238626
VS	70	1	-42,42149788	-14,41427391
VS	70	1	-42,21937112	-14,51146856
VS	70	1	-42,22105342	-14,50128873
VS	70	1	-42,22548807	-14,49382994
VS	70	1	-42,21986601	-14,50177808
VS	70	1	-42,21879325	-14,50563983
VS	150	1	-42,22273251	-14,50061808
VS	70	1	-42,22391093	-14,50043613
VS	70	1	-42,22092296	-14,5007554
VS	70	1	-42,22708322	-14,50917664
VS	70	1	-42,2259831	-14,47335762
VS	70	1	-42,22733518	-14,5002249
VS	70	1	-42,43126429	-14,38213339
VS	70	1	-42,28949806	-14,38755308
VS	70	1	-42,4852253	-14,3689541
VS	70	1	-42,17885915	-14,51318477
VS	70	1	-42,22258564	-14,51156754
VS	70	1	-42,22474678	-14,49180968

VS	70	1	-42,43803743	-14,41140269
VS	70	1	-42,22432421	-14,51460385
VS	70	1	-42,2350034	-14,49602264
VS	150	1	-42,22319156	-14,50493951
VS	70	1	-42,22643791	-14,49395091
VS	70	1	-42,23010555	-14,50698186
VS	70	1	-42,22704946	-14,49302808
VS	70	1	-42,22065182	-14,49871226
VS	70	1	-42,42652831	-14,39294654
VS	70	1	-42,22297419	-14,49170051
VS	70	1	-42,22415376	-14,50196392
VS	70	1	-42,2215396	-14,49236307
VS	70	1	-42,22076863	-14,51362168
VS	70	1	-42,22445504	-14,49700886
VS	70	1	-42,2265743	-14,50866493
VS	70	1	-42,42546507	-14,39085788
VS	70	1	-42,22029274	-14,5016059
VS	70	1	-42,22427673	-14,50428749
VS	70	1	-42,22622729	-14,49976493
VS	70	1	-42,3346562	-14,53169616
MV	250	1	-42,22364939	-14,4987456
VS	150	1	-42,22391424	-14,49446869
VS	70	1	-42,22429354	-14,50281469
VS	70	1	-42,22166307	-14,50777096
VS	70	2	-42,2519696	-14,38837345
VS	150	1	-42,21603009	-14,49973371
VS	70	1	-42,33439966	-14,42427884
VS	70	2	-42,22491976	-14,479057
VS	70	1	-42,43730297	-14,41057223
VS	70	1	-42,22165343	-14,5074093
VS	70	1	-42,23172142	-14,49849369
VS	150	1	-42,22229984	-14,50415373
VS	70	1	-42,30417105	-14,43714354
VS	70	1	-42,25512576	-14,39050391
VS	70	1	-42,2224027	-14,51425305
VS	70	1	-42,22751269	-14,50977595
VS	70	1	-42,42397846	-14,37977494
VS	70	1	-42,22490332	-14,49982036
MT	160	9	-42,22142972	-14,50642398
FL	30	10	-42,22142972	-14,50642398
VS	70	1	-42,22142972	-14,50642398
VS	70	1	-42,21818409	-14,50907619
VS	70	1	-42,22199011	-14,50065494
VS	70	1	-42,2287975	-14,49751011
VS	70	1	-42,21986476	-14,50051227
VS	70	1	-42,22557593	-14,41258836
VS	70	1	-42,22624875	-14,49960207
VS	70	1	-42,22986256	-14,49422789
LD	15	2	-42,22491927	-14,47856912
VS	70	1	-42,22217424	-14,50850284
VS	70	1	-42,42587069	-14,39114846
VS	70	1	-42,41975374	-14,39825514
VS	70	1	-42,22512241	-14,51463926
VS	70	1	-42,2207489	-14,50304308
VS	70	1	-42,22778861	-14,49894056
VS	70	1	-42,22404156	-14,51039076
VS	70	1	-42,47142069	-14,39582616
VS	70	1	-42,22530386	-14,49208943
VS	70	1	-42,22299312	-14,51068108
VS	70	1	-42,47150016	-14,39457295
VS	70	1	-42,22509017	-14,50105887
VS	70	1	-42,25524707	-14,39114574

VS	70	1	-42,35152341	-14,57600236
VS	70	1	-42,22830968	-14,50355233
VS	70	1	-42,33507653	-14,42447499
VS	70	1	-42,2247	-14,50990189
VS	70	1	-42,22841977	-14,49848642
VS	70	1	-42,4804683	-14,36729573
VS	70	1	-42,29195166	-14,54603563
VS	70	1	-42,23820402	-14,4923302
VS	70	1	-42,44213281	-14,41436664
VS	70	1	-42,43777306	-14,41112126
VS	70	1	-42,22137205	-14,51378386
VS	70	1	-42,22543264	-14,50936774
VS	70	1	-42,22332558	-14,49974952
VS	70	1	-42,22786702	-14,49392241
VS	250	1	-42,22292589	-14,49910795
VS	70	1	-42,222394	-14,51484076
VS	70	1	-42,246628	-14,60481213
VS	70	1	-42,47032962	-14,39925929
VS	150	1	-42,22327504	-14,50489422
VS	70	1	-42,22364261	-14,51051772
VS	70	1	-42,43964397	-14,41227673
VS	70	1	-42,21910944	-14,52143802
VS	150	1	-42,22289458	-14,50493979
VS	70	1	-42,22933553	-14,49765832
VS	70	1	-42,22048787	-14,50185888
VS	70	1	-42,22925145	-14,49557568
VS	70	1	-42,21818725	-14,50281038
VS	70	1	-42,22751438	-14,49392275
VS	70	1	-42,33425194	-14,53123246
VS	70	1	-42,22191248	-14,50659532
VS	70	1	-42,23193678	-14,40654441
VS	70	1	-42,2202419	-14,50652455
VS	70	1	-42,22682639	-14,50183479
VS	70	1	-42,43809254	-14,4111223
VS	250	1	-42,22672819	-14,50657229
VS	70	1	-42,29292875	-14,3865543
VS	70	1	-42,28804428	-14,55420527
VS	70	1	-42,2846504	-14,56024297
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VS	70	1	-42,28114307	-14,55834134
VS	70	1	-42,4381985	-14,41312931
VS	70	1	-42,22893547	-14,49513295
VS	70	1	-42,21884408	-14,50067596
VS	70	1	-42,2263768	-14,49774843
VS	70	1	-42,22591046	-14,50886131
VS	70	1	-42,22162488	-14,49732799
VS	70	1	-42,2207794	-14,49633421
VS	250	1	-42,23108404	-14,50880169
VS	250	1	-42,23108404	-14,50880169
VS	70	1	-42,34629265	-14,51820293
VS	70	1	-42,22131677	-14,50435583
VS	70	1	-42,25344259	-14,38672631
FL	30	1	-42,17853832	-14,42950718
VS	70	1	-42,43760742	-14,40971273
VS	70	1	-42,2247017	-14,49312075
VS	70	1	-42,22917872	-14,50338901
VS	70	1	-42,21874636	-14,50513354
VS	70	1	-42,21953303	-14,51236606
VS	70	1	-42,21855792	-14,51173406
VS	70	1	-42,22559813	-14,5150728
VS	150	1	-42,22215224	-14,49271349
VS	70	1	-42,22777813	-14,49776516

VS	70	1	-42,22504486	-14,51136629
VS	70	1	-42,22257209	-14,49795096
VS	150	1	-42,22252433	-14,50591663
VS	70	1	-42,25377602	-14,38629195
VS	70	1	-42,29612796	-14,38588125
LD	15	2	-42,22491636	-14,47724733
VS	70	1	-42,26057454	-14,61671728
VS	150	1	-42,22193315	-14,49937109
VS	70	1	-42,23811538	-14,4936273
VS	70	1	-42,48761031	-14,40386331
VS	70	1	-42,25942205	-14,45642755
VS	70	1	-42,21838935	-14,50068543
VS	70	1	-42,22948897	-14,50094614
VS	70	1	-42,22221743	-14,50527496
VS	70	1	-42,34728447	-14,41989403
VS	70	1	-42,22716173	-14,49392309
VS	70	1	-42,3316903	-14,41996784
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VS	70	2	-42,22362662	-14,50381794
VS	70	1	-42,22530065	-14,47672066
MV	150	1	-42,22331291	-14,50564463
VS	70	1	-42,21787884	-14,51011625
VS	400	1	-42,21787884	-14,51011625
VS	70	1	-42,22021022	-14,51204897
VS	70	1	-42,22313016	-14,50851098
VS	70	1	-42,22233784	-14,49177471
VS	70	1	-42,21840968	-14,50249372
VS	70	1	-42,18075629	-14,5160873
VS	70	1	-42,22209924	-14,50774342
VS	70	1	-42,21925382	-14,50211319
VS	70	1	-42,22208605	-14,50381036
VS	70	1	-42,22771433	-14,49817264
VS	70	1	-42,42006704	-14,3980828
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VS	70	1	-42,18995067	-14,47410062
VS	70	1	-42,22053728	-14,50490584
VS	250	1	-42,22470198	-14,51187294
VS	70	1	-42,22416259	-14,50503596
VS	70	1	-42,22177129	-14,50459727
VS	250	1	-42,21976034	-14,48991908
VS	70	1	-42,22459704	-14,49979353
VS	70	1	-42,43869373	-14,410208
VS	70	1	-42,22478597	-14,50310256
VS	70	1	-42,22299804	-14,51180151
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VS	70	1	-42,43789971	-14,4121353
VS	70	1	-42,21988018	-14,49731154
FL	30	1	-42,2961828	-14,43795068
VS	70	1	-42,28019051	-14,39175052
VS	150	1	-42,21608959	-14,50003547
VS	70	1	-42,22147397	-14,50116058
VS	70	1	-42,22942786	-14,50470748
VS	70	1	-42,21111589	-14,49770001
VS	70	1	-42,22651207	-14,49616295
VS	70	1	-42,24066253	-14,54395462
VS	70	1	-42,22308673	-14,51148904
VS	250	1	-42,2234845	-14,50089765
VS	70	1	-42,335166	-14,53204335
VS	70	1	-42,22166181	-14,5064961

VS	70	1	-42,22411309	-14,49842871
VS	70	1	-42,4393508	-14,40979105
VS	70	1	-42,22314338	-14,50315836
VS	70	1	-42,22351462	-14,5031761
VS	70	1	-42,22575584	-14,49856277
VS	400	1	-42,22262067	-14,50013898
VS	150	1	-42,22262067	-14,50013898
VS	250	1	-42,22262067	-14,50013898
MV	250	4	-42,22262067	-14,50013898
VS	70	1	-42,21634164	-14,50031652
VS	70	1	-42,2275561	-14,4984435
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VS	150	1	-42,22007568	-14,50736557
VS	70	1	-42,23584312	-14,49386186
VS	70	1	-42,22196802	-14,49710163
VS	70	1	-42,22387749	-14,50410703
VS	70	1	-42,22697455	-14,49235908
VS	70	1	-42,21857015	-14,50526029
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VS	70	1	-42,23199127	-14,51697083
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VS	70	1	-42,22240055	-14,50173963
VS	70	1	-42,22198751	-14,49803289
VS	70	1	-42,21851342	-14,49877691
VS	70	1	-42,21994553	-14,49931418
VS	70	1	-42,22297872	-14,49625077
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VS	70	1	-42,27999606	-14,51092765
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VS	70	1	-42,33554661	-14,5698505
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VS	70	1	-42,22361591	-14,4931037
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VS	70	2	-42,22431285	-14,50328384
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VS	70	1	-42,22216085	-14,50437086
VS	70	1	-42,2270748	-14,49970074
VS	150	1	-42,22335961	-14,50594296
VS	70	1	-42,28032904	-14,39126211
VS	70	1	-42,22884321	-14,49828719
VS	70	1	-42,22808658	-14,43481316
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VS	70	1	-42,22185791	-14,50770748
VS	70	2	-42,21882243	-14,49752048
VS	70	1	-42,20161352	-14,41121553
VS	250	1	-42,22815456	-14,50705835
VS	70	1	-42,22580597	-14,49306544
VS	70	1	-42,25697338	-14,39202995
VS	150	1	-42,22291215	-14,5039452

VS	70	1	-42,21161885	-14,49873844
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VS	70	1	-42,22093317	-14,49200912
VS	70	1	-42,22008957	-14,50262778
VS	70	1	-42,25364198	-14,39082196
VS	70	1	-42,25441464	-14,41789174
VS	70	1	-42,22419476	-14,50583367
VS	70	1	-42,22419476	-14,50583367
VS	150	1	-42,22419476	-14,50583367
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LD	30	2	-42,22563798	-14,50132056
VS	70	1	-42,42971126	-14,41191432
VS	70	2	-42,21878205	-14,50367782
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VS	70	1	-42,22687289	-14,50247452
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LD	50	10	-42,22598132	-14,50128406
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VS	70	1	-42,20242587	-14,39644078
VS	70	1	-42,23098253	-14,50002425
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VS	70	1	-42,22632468	-14,498703
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VS	70	1	-42,33274124	-14,51888785
VS	70	1	-42,22335726	-14,51287783
VS	70	1	-42,22058164	-14,5122385
VS	70	1	-42,43941093	-14,41169851
VS	70	1	-42,22166253	-14,50721942
VS	70	1	-42,22166253	-14,50721942
VS	70	1	-42,22058787	-14,49974306
VS	70	1	-42,21723167	-14,49864138
VS	70	1	-42,22224027	-14,50145027
VS	70	1	-42,46486627	-14,41648704
VS	70	1	-42,21424627	-14,4965848
VS	70	1	-42,22565181	-14,49663701
VS	70	1	-42,22219137	-14,50706522
VS	70	3	-42,22433296	-14,49308303
VS	70	1	-42,23425694	-14,52544404
VS	70	1	-42,22561687	-14,4491236
VS	70	1	-42,21750871	-14,50171698
VS	70	1	-42,21938284	-14,50118179
VS	70	1	-42,22023864	-14,49068436
VS	70	1	-42,22551319	-14,4695757
VS	70	1	-42,2248043	-14,50286746
VS	70	1	-42,2225437	-14,50673035
VS	250	1	-42,2225437	-14,50673035
VS	70	1	-42,22007978	-14,50211242

VS	70	1	-42,21956031	-14,50234799
VS	70	1	-42,29375015	-14,43778392
VS	70	1	-42,29166207	-14,38970234
VS	70	1	-42,23221357	-14,49975866
VS	70	1	-42,22467774	-14,49698152
VS	70	1	-42,2186323	-14,49972336
VS	70	1	-42,22366349	-14,51283234
VS	70	1	-42,17479767	-14,53435169
VS	70	1	-42,21971905	-14,5127818
VS	70	1	-42,21890088	-14,50182419
VS	70	1	-42,22810427	-14,49906683
VS	70	1	-42,21341829	-14,49639288
VS	70	1	-42,4298295	-14,39190261
VS	70	1	-42,22978175	-14,50590062
VS	70	1	-42,22173731	-14,49840383
VS	70	1	-42,23687779	-14,49293099
VS	70	1	-42,1778677	-14,53641376
VS	250	1	-42,22592709	-14,51227213
VS	70	1	-42,22775522	-14,50260242
VS	70	1	-42,2247965	-14,4958551
VS	70	1	-42,46498989	-14,40790974
VS	70	1	-42,23244656	-14,50712766
VS	250	1	-42,22530529	-14,51192662
VS	150	1	-42,22305672	-14,50001198
VS	70	1	-42,33377254	-14,56300867
VS	70	1	-42,22097316	-14,49520383
VS	70	1	-42,22793852	-14,49815271
VS	70	1	-42,44504254	-14,41676928
VS	70	1	-42,21202488	-14,49798093
VS	70	1	-42,21903667	-14,49833402
VS	70	1	-42,22462366	-14,49155292
VS	70	1	-42,21955215	-14,51293566
VS	70	1	-42,23107146	-14,46966075
VS	70	1	-42,22122551	-14,50638801
VS	250	1	-42,2237592	-14,49719035
VS	70	1	-42,21040871	-14,49757153
VS	70	1	-42,32402655	-14,42488983
VS	70	1	-42,31831445	-14,59511052
VS	70	1	-42,32366189	-14,59433367
VS	70	1	-42,32101116	-14,5968427
VS	70	1	-42,30614445	-14,59363428
VS	70	1	-42,25519026	-14,39012409
VS	70	1	-42,2243291	-14,51022774
VS	70	1	-42,22407976	-14,51146667
VS	70	1	-42,44012301	-14,410567
VS	70	1	-42,22405086	-14,50115932
VS	70	1	-42,22365205	-14,50400426
VS	70	2	-42,2222267	-14,51478523
VS	70	1	-42,22526033	-14,47649276
FL	25	8	-42,22371296	-14,50662978
VS	70	1	-42,22371296	-14,50662978
VS	70	1	-42,22104272	-14,49985113
VS	70	1	-42,22454312	-14,50154764
VS	70	1	-42,22280463	-14,49849324
VS	70	1	-42,43289229	-14,39192687
VS	70	1	-42,22174825	-14,49306088
VS	70	1	-42,22432232	-14,51272321
VS	70	1	-42,22273479	-14,49527197
VS	250	1	-42,2234304	-14,50248902
VS	70	1	-42,2300292	-14,49383894
VS	70	1	-42,22104924	-14,50645146
MT	160	1	-42,22768508	-14,47014324

VS	70	1	-42,23143988	-14,49393702
VS	70	1	-42,32115618	-14,5976753
VS	70	1	-42,31994894	-14,59503921
VS	70	1	-42,31887023	-14,59512161
VS	70	1	-42,21725142	-14,49660773
VS	70	1	-42,43473635	-14,41210497
VS	70	1	-42,21698243	-14,49637046
VS	70	2	-42,21764774	-14,49876433
VS	70	1	-42,21883328	-14,49912082
VS	70	1	-42,2222026	-14,49968729
VS	70	1	-42,22236669	-14,49139421
VS	70	1	-42,22507185	-14,50130301
VS	250	1	-42,22299242	-14,50068112
VS	70	1	-42,22855614	-14,49817065
VS	70	1	-42,2241083	-14,50290429
VS	70	1	-42,23991541	-14,53973299
VS	70	1	-42,22049889	-14,51302519
VS	250	1	-42,22346897	-14,50216945
VS	70	1	-42,21962878	-14,50591934
VS	70	1	-42,30443791	-14,4312188
VS	70	1	-42,21821743	-14,50520637
VS	70	1	-42,22539518	-14,49981989
VS	70	1	-42,22487198	-14,49633938
VS	70	1	-42,22413751	-14,50427858
VS	70	1	-42,20490408	-14,40829226
VS	70	1	-42,22091349	-14,48955914
VS	70	1	-42,22021333	-14,50578317
VS	70	1	-42,22077885	-14,49578267
VS	70	1	-42,43805486	-14,410824
VS	70	1	-42,44313063	-14,41631176
VS	70	1	-42,22450029	-14,49095829
VS	70	1	-42,22603062	-14,494973
VS	70	1	-42,22835011	-14,49443731
VS	70	1	-42,22156665	-14,49148004
VS	70	1	-42,22031228	-14,42203856
VS	70	1	-42,23504938	-14,49473055
VS	70	1	-42,22048118	-14,51388416
VS	70	1	-42,22338902	-14,4914324
VS	70	1	-42,21767423	-14,50014359
VS	70	1	-42,46462276	-14,35784305
VS	150	1	-42,22229134	-14,50494036
VS	70	1	-42,22688762	-14,49815481
VS	250	1	-42,22349407	-14,50118697
VS	70	1	-42,2187716	-14,5024753
VS	70	1	-42,22231043	-14,51563885
VS	70	1	-42,2214174	-14,50335891
VS	70	1	-42,22166783	-14,51256298
VS	70	1	-42,22208839	-14,5061702
VS	70	1	-42,22422075	-14,50398917
VS	150	6	-42,22422075	-14,50398917
VS	70	1	-42,23062725	-14,50683108
VS	70	1	-42,22183758	-14,49657734
VS	70	1	-42,21983473	-14,50772746
VS	70	1	-42,21350512	-14,49373259
VS	70	1	-42,22050917	-14,50463462
VS	70	1	-42,1698351	-14,44837696
VS	70	1	-42,22866503	-14,49384027
VS	70	1	-42,22169914	-14,50670402
VS	70	1	-42,22099382	-14,50671372
VS	70	1	-42,23759884	-14,49169573
VS	150	1	-42,22243984	-14,50494926
VS	70	1	-42,22294866	-14,49206645

VS	70	1	-42,22137334	-14,43978446
VS	70	1	-42,22364016	-14,51196247
VS	70	1	-42,45338538	-14,38452356
VS	70	1	-42,2233429	-14,5077965
VS	70	1	-42,22429426	-14,51250624
VS	70	1	-42,22148784	-14,50147829
VS	70	1	-42,19318107	-14,47076238
VS	70	1	-42,21963171	-14,51361949
VS	150	1	-42,22371376	-14,4981488
VS	250	1	-42,22743773	-14,50679683
VS	70	1	-42,22444505	-14,50555314
VS	70	1	-42,22079142	-14,49910996
VS	70	1	-42,20347394	-14,47633729
VS	70	1	-42,21042468	-14,49856518
VS	70	1	-42,22320119	-14,51458684
VS	70	1	-42,22420477	-14,49730747
VS	70	1	-42,22066448	-14,502139
VS	70	1	-42,21860483	-14,51224938
VS	70	1	-42,22470652	-14,5115818
VS	70	1	-42,2238128	-14,50437834
VS	70	1	-42,22873197	-14,50330771
VS	70	1	-42,21770342	-14,51105673
VS	70	1	-42,23580543	-14,50740516
VS	70	1	-42,21855823	-14,51205955
VS	70	1	-42,22570107	-14,49946697
VS	70	1	-42,21928448	-14,50431605
VS	70	1	-42,30828656	-14,5958817

Lagoa Real

Tipo_Lampada	Potencia_Lampada	Qtd_Lampada	LAT	LONG
VS	70	1	-14,14509331	-42,06089871
VS	70	1	-14,14969398	-42,04684127
VS	70	1	-14,13604264	-42,059627
VS	70	1	-14,12402197	-42,13623619
VS	70	1	-14,13272202	-42,1332208
VS	70	1	-14,13103152	-42,13258979
VS	70	1	-14,14780612	-42,05997281
VS	70	1	-14,14277888	-42,04823867
VS	70	1	-14,1207936	-42,13691989
VS	70	1	-14,15141797	-42,0399126
VS	70	1	-14,14653445	-42,04495245
LD	15	1	-14,14108113	-42,06542508
VS	70	1	-14,13609085	-42,04580291
VS	70	1	-14,15030159	-42,06039969
LD	9	1	-14,12097064	-42,05568563
VS	70	1	-14,12615191	-42,08583543
VS	70	1	-14,14501075	-42,06545749
VS	70	1	-14,11349557	-42,13893526
VS	70	1	-14,14075651	-42,06478343
VS	70	1	-14,14077774	-42,06552784
VS	250	1	-14,11226551	-42,04466807
MV	250	1	-14,12080814	-42,05455528
VS	70	1	-14,1459251	-42,06119543
VS	70	1	-14,11505103	-42,13852855
VS	70	1	-14,11902882	-42,13970755
VS	70	1	-14,13525657	-42,05721779
VS	70	1	-14,14666571	-42,04510184
MV	400	1	-14,13198929	-42,13383189
VS	70	1	-14,14424129	-42,06870031
VS	70	1	-14,141217	-42,04904688
VS	400	1	-14,13274168	-42,06222047

MV	400	1	-14,12945209	-42,12718728
LD	8	1	-14,12608678	-42,09088488
VS	70	1	-14,15145885	-42,06082622
FL	20	1	-14,12021999	-42,05642664
LD	12	1	-14,1492801	-42,05939869
VS	70	1	-14,14594632	-42,05983354
VS	70	1	-14,12907245	-42,12695544
VS	150	1	-14,13390103	-42,05058353
VS	70	1	-14,1165808	-42,13557403
VS	70	1	-14,13087393	-42,07964796
VS	70	1	-14,14691374	-42,04506482
VS	70	1	-14,14027272	-42,06565075
VS	70	1	-14,13015734	-42,0862909
MV	250	1	-14,13428089	-42,05350212
VS	70	1	-14,15327601	-42,06191084
VS	70	1	-14,14434988	-42,06836677
VS	70	1	-14,1316815	-42,13448028
VS	70	1	-14,13297785	-42,05784728
LD	12	1	-14,15297833	-42,05909384
VS	70	1	-14,13498776	-42,04564518
VS	70	1	-14,14055426	-42,0683413
VS	70	1	-14,14489432	-42,0611581
VS	70	1	-14,14026775	-42,06760525
VS	70	1	-14,14558145	-42,06139919
VS	70	1	-14,15302335	-42,05984441
VS	70	1	-14,14969086	-42,06512419
VS	70	1	-14,13211617	-42,13329458
VS	70	1	-14,1325391	-42,13694536
VS	70	1	-14,12817753	-42,12651022
VS	70	1	-14,13376557	-42,05318698
FL	30	1	-13,94309199	-42,3259037
MT	160	1	-13,95406776	-42,35280427
FL	45	1	-13,94760446	-42,35161878
VS	70	1	-13,94527512	-42,32288873
FL	30	1	-13,95205315	-42,35158844
VS	70	1	-14,1816977	-42,26048878
VS	70	1	-14,17538914	-42,25805365
VS	70	1	-14,1819686	-42,26081344
VS	70	1	-14,17922177	-42,25907736
VS	70	1	-14,1286747	-42,12676992
VS	70	1	-14,125643	-42,09278404
VS	70	1	-14,13290335	-42,05858414
VS	70	1	-14,13948589	-42,06630839
VS	70	1	-14,15262526	-42,06084506
VS	70	1	-14,14972301	-42,05999183
VS	70	1	-14,13187395	-42,06104355
VS	70	1	-14,13637739	-42,05883952
VS	70	1	-14,1394571	-42,06675749
VS	70	1	-14,13224838	-42,07943533
VS	70	1	-14,13662431	-42,04589566
VS	400	1	-14,13110188	-42,13613843
VS	70	1	-14,14456721	-42,06720861
VS	70	1	-14,15285147	-42,06019648
VS	70	1	-14,14900892	-42,05909285
VS	70	1	-14,14439529	-42,06260381
VS	70	1	-14,14729382	-42,04576799
VS	70	1	-14,13123726	-42,13658324
VS	70	1	-14,13959001	-42,046202
VS	70	1	-14,14485645	-42,06759785
VS	70	1	-14,12026905	-42,13712341
LD	9	1	-14,1221914	-42,05527826
VS	70	1	-14,14052183	-42,05049181

VS	70	1	-14,12727167	-42,08981058
VS	70	1	-14,11141586	-42,13904519
VS	70	1	-14,14368244	-42,06288818
VS	70	1	-14,15180198	-42,06017101
VS	70	1	-14,14245584	-42,04859312
FL	20	1	-14,12102479	-42,05611183
VS	70	1	-14,11242848	-42,1391755
VS	70	1	-14,13613343	-42,05810749
VS	70	1	-14,15214598	-42,06107659
VM	80	1	-14,1471673	-42,04539733
VS	70	1	-14,11402914	-42,13877809
MT	160	1	-14,14785488	-42,04323849
VS	70	1	-14,15201497	-42,03846718
VS	70	1	-14,15037785	-42,04170078
VS	70	1	-14,14702261	-42,04550849
VS	70	1	-14,13489417	-42,0602197
VS	70	1	-14,15303194	-42,06167912
VS	70	1	-14,12688274	-42,09017177
LD	12	1	-14,14674823	-42,05993548
VS	70	1	-14,13170587	-42,13933531
VS	70	1	-14,14507679	-42,06187977
VS	70	1	-14,1527429	-42,06047444
ME	400	1	-14,14970868	-42,04206204
VS	70	1	-14,14970868	-42,04206204
VS	70	1	-14,13990178	-42,06643823
ME	250	1	-14,12178458	-42,05497242
VS	70	1	-14,13051191	-42,08069481
VS	70	1	-14,15271553	-42,06143811
VS	70	1	-14,13724439	-42,06291657
MV	70	1	-14,12920752	-42,08743943
VS	70	1	-14,11741101	-42,13848364
VS	70	1	-14,13554584	-42,05753288
VS	70	1	-14,12678429	-42,05712309
VS	70	1	-14,13068388	-42,08016675
VS	70	1	-14,134234	-42,06065501
VS	70	1	-14,13988751	-42,06705244
VS	70	1	-14,1528336	-42,05934399
VS	70	1	-14,11655218	-42,13821445
VS	70	1	-13,9481591	-42,16126243
VS	70	1	-13,95505219	-42,15326142
MV	400	1	-14,03616404	-42,14872302
VS	70	1	-14,03221546	-42,1435216
VS	70	1	-14,09914652	-42,1379447
LD	15	1	-14,1576599	-42,14531001
VS	70	1	-14,18856888	-42,34689739
VS	400	1	-14,03916545	-42,14229075
VS	70	1	-13,94049413	-42,32120652
VS	70	1	-14,03570066	-42,13820945
VS	70	1	-14,03329964	-42,14300872
VS	250	1	-14,04093606	-42,28188169
VS	70	1	-14,1077681	-42,12969531
VS	250	1	-14,03276662	-42,14222119
VS	70	1	-14,03233185	-42,14886542
VS	400	1	-14,03905359	-42,14963286
VS	70	1	-14,03519884	-42,14238011
VS	70	1	-14,16557872	-42,032446
VS	70	1	-14,12520747	-42,02399089
VS	70	1	-14,15250762	-42,06122494
VS	70	1	-14,13470284	-42,05983894
VS	70	1	-14,1559473	-42,18039016
VS	400	1	-14,1559473	-42,18039016
VS	70	1	-14,03412164	-42,14025518

VS	400	1	-14,03937951	-42,14223772
VS	400	1	-14,03458473	-42,14141628
VS	70	1	-14,03600809	-42,13596345
VS	70	1	-14,03378712	-42,14432413
LD	40	1	-14,04109308	-42,28678124
VS	70	1	-13,89937369	-42,1634108
VS	400	1	-14,03533427	-42,1427136
FL	30	1	-13,94718149	-42,31010639
FL	30	1	-14,09953055	-42,33891836
VS	70	1	-14,10897653	-42,13552327
VS	70	1	-14,03647597	-42,13491783
VS	70	1	-14,03565934	-42,14346398
VS	70	1	-13,94045851	-42,32078989
VS	70	1	-13,98557794	-42,31388891
VS	70	1	-14,03648246	-42,13528338
ME	250	1	-14,06819011	-42,12384952
VS	70	1	-14,034194	-42,14435217
VS	70	1	-14,15400371	-42,17993404
VS	70	1	-14,03407982	-42,13861006
VS	70	1	-14,03129914	-42,14353326
ME	250	1	-14,03316013	-42,1452646
VS	70	2	-14,03316013	-42,1452646
VS	70	1	-14,16919617	-42,32478553
VS	400	1	-14,03246815	-42,14235992
VS	400	1	-14,03839061	-42,14249319
VS	70	1	-14,03785702	-42,1426781
VS	400	1	-14,03827395	-42,142521
VS	70	1	-13,88599305	-42,16087482
VS	70	1	-14,16354197	-42,18112816
VS	70	1	-14,18611067	-42,34610594
MV	70	1	-14,12406859	-42,01932122
VS	70	1	-14,03262459	-42,14477157
VS	250	1	-14,04470365	-42,13674465
VS	70	1	-14,03491939	-42,14091664
VS	70	1	-14,03294027	-42,14398279
VS	250	1	-14,04051276	-42,14174273
VS	250	1	-14,04230816	-42,1395551
VS	70	1	-14,1240595	-42,01989565
VS	70	1	-14,03526455	-42,13822178
VS	70	1	-14,13357083	-42,13526893
VS	70	1	-14,15221951	-42,05612848
VS	70	1	-14,13142614	-42,07766538
LD	15	1	-14,13860952	-42,06369525
VS	70	1	-14,14972421	-42,04809813
VS	70	1	-14,11646295	-42,13612058
VS	70	1	-14,15215594	-42,06031111
VS	70	1	-14,13660569	-42,05810686
VS	70	1	-14,13025404	-42,13235772
VS	70	1	-14,14695953	-42,04436877
VS	70	1	-14,14840334	-42,05811977
VS	150	1	-14,13839257	-42,06347281
VS	70	1	-14,14512901	-42,06273336
VS	70	1	-14,14940123	-42,04223804
LD	40	1	-14,13389248	-42,05167675
VS	70	1	-14,13897103	-42,06434394
VS	70	1	-14,14676054	-42,04469304
VS	70	1	-14,15224673	-42,05572078
VS	70	1	-14,14911448	-42,0600066
VS	70	1	-14,1343337	-42,0596729
VS	70	1	-14,14999421	-42,06023282
VS	70	1	-14,15273396	-42,0600482
VS	70	1	-14,15286968	-42,05970538

VS	70	1	-14,1318354	-42,13413756
VS	70	1	-14,12441067	-42,13641245
VS	70	1	-14,14502691	-42,06655633
VS	70	1	-14,15182062	-42,06049274
VS	400	1	-14,15182062	-42,06049274
LD	12	1	-14,1473394	-42,04372949
LD	15	1	-14,13151538	-42,04707137
VS	70	1	-14,13694716	-42,05827447
VS	70	1	-14,1403025	-42,04673973
LD	15	1	-14,1337306	-42,05008325
VS	70	1	-14,14490235	-42,06507756
VS	70	1	-14,13938519	-42,06717423
VS	70	1	-14,15296014	-42,05952935
VS	70	1	-14,12480839	-42,13664431
VS	70	1	-14,13138078	-42,07811009
VS	70	1	-14,12129101	-42,13673489
VS	70	1	-14,13928724	-42,13185326
VS	70	1	-14,12688317	-42,05952278
VS	70	1	-14,1408123	-42,04986885
VS	70	1	-14,1470681	-42,04397962
VS	70	1	-14,15206026	-42,03795755
VS	70	1	-14,11911145	-42,13753038
VS	70	1	-14,13444541	-42,06096258
VS	70	1	-14,14621794	-42,04515624
VS	70	1	-14,12793198	-42,08916228
VS	70	1	-14,11697709	-42,13831661
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VS	70	1	-14,13913544	-42,05777466
VS	70	1	-14,14774631	-42,04363691
VS	70	1	-14,13258873	-42,05916287
VS	70	1	-14,11191312	-42,13911961
VS	70	1	-14,12114221	-42,05666775
VS	70	1	-14,15345677	-42,0622352
VS	70	1	-14,13524744	-42,05757914
VS	70	1	-14,14006646	-42,06670049
VS	70	1	-14,15096574	-42,04070014
VS	70	1	-14,14822493	-42,04688935
VS	70	1	-14,1282938	-42,08876401
VS	70	1	-14,09516261	-42,30277252
VS	70	1	-14,07374933	-42,21079186
MV	250	1	-14,10458203	-42,1647307
VS	70	1	-14,10458203	-42,1647307
VS	250	1	-13,99140651	-42,20746716
VS	70	1	-14,10932086	-42,2395344
VS	70	1	-14,11447425	-42,1643023
VS	70	1	-14,03340852	-42,14984244
VS	70	1	-13,97752712	-42,20732523
VS	70	1	-14,03372837	-42,15007631
VS	70	1	-14,11455531	-42,16476558
VS	70	1	-13,99795302	-42,20736185
FL	30	2	-14,07019565	-42,33121782
MV	250	1	-14,0357404	-42,14906116
VS	250	1	-14,11474611	-42,16342235
VS	70	1	-14,09932192	-42,1471532
VS	70	1	-14,10306499	-42,16175584
MV	250	1	-14,03579824	-42,14954742
MV	250	1	-14,03550974	-42,15209579
VS	70	1	-14,09398475	-42,30468855
VS	70	1	-14,10596094	-42,17123517
VS	70	1	-14,08007509	-42,32112149
VS	70	1	-14,05794511	-42,25647751
VS	70	1	-14,09763625	-42,22312526

VS	70	1	-14,11318261	-42,16230024
VS	70	1	-14,03488727	-42,14952054
VS	70	1	-14,01848954	-42,19392432
VS	70	1	-14,10130441	-42,15781739
VS	400	1	-14,10130441	-42,15781739
VS	70	1	-14,02719148	-42,21130797
VS	70	1	-14,03327944	-42,14845362
VS	70	1	-14,01718703	-42,19450665
VS	70	1	-14,10304806	-42,16002344
VS	70	1	-13,99906485	-42,19688986
VS	400	1	-14,14718248	-42,14161338
VS	70	1	-14,11015293	-42,23932218
MV	70	1	-14,10596172	-42,17012346
MV	250	2	-14,03522224	-42,1520355
FL	45	1	-14,12501793	-42,17610412
VS	400	1	-14,12501793	-42,17610412
VS	70	1	-14,03689389	-42,24920257
VS	70	1	-14,10437332	-42,16582372
VS	70	1	-14,03420077	-42,14868713
VS	70	1	-14,10417093	-42,19477405
VS	70	1	-14,03268268	-42,14857003
VS	70	1	-13,98891042	-42,20804829
ME	250	1	-14,16471612	-42,30742301
VS	70	1	-14,07123865	-42,24599748
VS	70	1	-14,03369795	-42,14926435
VS	70	1	-14,03432074	-42,14900395
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VS	70	1	-14,09435692	-42,30354035
VS	70	1	-14,09897527	-42,19040636
VS	70	1	-13,97890152	-42,20730793
VS	70	1	-13,98288319	-42,23374665
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VS	70	1	-14,01659001	-42,19481176
MV	400	1	-14,09475456	-42,30369835
VS	70	1	-14,09475456	-42,30369835
VS	70	1	-14,10306782	-42,19476386
VS	70	1	-13,9835387	-42,17446928
VS	70	1	-14,02973025	-42,17434503
VS	70	1	-14,03851372	-42,15001141
MV	400	1	-14,12740165	-42,15515587
LD	100	1	-14,04630604	-42,13744032
LD	100	1	-14,04723305	-42,13612679
VS	70	1	-14,03648691	-42,15634873
LD	100	1	-14,04748996	-42,13846548
VS	70	1	-14,0357914	-42,15717901
VS	70	1	-14,14991528	-42,28542751
VS	70	1	-14,130247	-42,08484963
LD	100	1	-14,04604215	-42,13527827
VS	70	1	-14,03544902	-42,15515044
LD	100	1	-14,04701336	-42,13940129
VS	70	1	-14,14047571	-42,12644558
VS	100	1	-14,04653941	-42,13680778
VS	70	1	-14,03853042	-42,14260896
FL	40	1	-13,90497901	-42,30192696
VM	125	1	-14,15035823	-42,28482272
MV	250	1	-14,08245758	-42,13578396
LD	100	1	-14,04806966	-42,13828633
VS	70	1	-14,1447827	-42,25824039
VS	400	1	-14,03575793	-42,14264348
VS	70	1	-14,03568748	-42,15568063
VS	100	1	-14,04745038	-42,13779193
LD	100	1	-14,04622657	-42,13583075

VS	70	1	-14,02681738	-42,14258884
VS	100	1	-14,04840678	-42,13870072
VS	70	1	-14,1295465	-42,1318682
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VS	70	1	-14,1264198	-42,15286072
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LD	100	1	-14,04567394	-42,13738938
MV	250	1	-14,12578565	-42,1551773
MV	400	1	-14,12578565	-42,1551773
VS	250	1	-14,12638588	-42,15358624
VS	70	1	-14,12919404	-42,12904518
LD	100	1	-14,04624085	-42,13503082
LD	100	1	-14,04610703	-42,1372671
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VS	70	1	-13,99975626	-42,30458962
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VS	400	1	-14,16364018	-42,12006723
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VS	70	1	-13,9937791	-42,16069547
VS	70	1	-14,03625817	-42,15589384
LD	100	1	-14,04570775	-42,13692631
LD	100	1	-14,0465742	-42,13764887
LD	100	1	-14,04676994	-42,13831306
VS	70	1	-14,03595402	-42,15557763
VS	70	1	-14,03571043	-42,15583975
FL	25	1	-13,9044022	-42,30252379
VS	70	1	-14,03071139	-42,14217669
MV	250	1	-14,03551772	-42,15320689
VS	70	1	-14,03535518	-42,15625045
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VS	70	1	-14,03500025	-42,14180578
VS	70	1	-13,95461509	-42,15313171
VS	400	1	-14,0394854	-42,1422124
VS	70	1	-14,03524663	-42,13794393
VS	70	1	-14,16944604	-42,32722302
VS	70	3	-14,03394056	-42,14357424
VS	70	1	-14,03311534	-42,14440355
VS	250	1	-14,03771263	-42,14219641
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VS	70	1	-14,03626109	-42,13820172
FL	40	1	-13,91401815	-42,35633544
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VS	250	1	-14,04374827	-42,13785726
VS	70	1	-14,16521708	-42,03216795
VS	70	1	-14,03483015	-42,13842259
MT	160	1	-13,97820954	-42,27591697
VS	70	1	-14,15062705	-42,06062216
VS	70	1	-14,18705934	-42,34659854
FL	30	1	-14,03494618	-42,15615163
VS	70	1	-14,03520229	-42,13640651
VS	70	1	-14,03718742	-42,14350196

VS	400	1	-14,00393165	-42,19132753
VS	70	1	-14,03506888	-42,14469418
VS	250	1	-14,03499086	-42,14239851
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VS	70	1	-14,03327297	-42,14223076
FL	40	1	-13,91519801	-42,35529626
VS	70	1	-14,14083816	-42,06842579
VS	400	1	-14,13250681	-42,05289975
VS	70	1	-13,89892159	-42,16339198
VS	70	1	-14,03660939	-42,14193587
VS	70	1	-14,16277925	-42,1118694
FL	45	1	-13,94943979	-42,34405948
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VS	70	1	-14,14071597	-42,04729797
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VS	70	1	-14,03223338	-42,14182263
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VS	70	1	-14,03860575	-42,1445605
VS	70	1	-13,89786078	-42,1676397
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VS	70	1	-14,03135551	-42,14194351
VS	150	4	-14,03135551	-42,14194351
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FL	45	1	-13,94042508	-42,28041995
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VS	70	1	-13,98318563	-42,17506161
VS	70	1	-14,03555043	-42,14414925
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VS	250	1	-14,03830897	-42,14474369
VS	70	1	-14,0944567	-42,3032811
VS	70	1	-13,97743699	-42,20698256
VS	70	1	-14,09692171	-42,22336544
MV	70	1	-14,09925801	-42,14961784
VS	70	1	-14,03480323	-42,15641974
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VS	70	1	-14,10941082	-42,23999771
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VS	70	1	-13,97939017	-42,20686392
VS	70	1	-14,10376207	-42,16048714
VS	70	1	-14,10948468	-42,23845991
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VS	70	1	-13,97756524	-42,20501975
FL	30	1	-14,07508771	-42,32888761
VS	70	1	-14,07944447	-42,31936989
VS	70	1	-13,99019466	-42,20772535
VS	70	1	-13,9829052	-42,20957999
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FL	30	1	-14,00507534	-42,19992301
VS	70	1	-14,00507534	-42,19992301
VS	70	1	-14,08502857	-42,31538513
MV	250	1	-14,09997463	-42,15653953
VS	70	1	-14,09451957	-42,30362393
VS	70	1	-14,11443293	-42,16296372
VS	70	1	-14,09281616	-42,30641931
VS	70	1	-14,10924892	-42,23913596

VS	70	1	-14,08654044	-42,31395137
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VS	70	1	-14,0188061	-42,19381345
VS	70	1	-14,11331703	-42,16408839
VS	70	1	-14,10103311	-42,15789132
VS	70	1	-14,03484955	-42,14925619
VS	70	1	-14,03416805	-42,14836778
VS	70	1	-14,03672169	-42,24959136
VS	70	1	-14,10413242	-42,16105251
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FL	30	1	-14,12503241	-42,16846051
VS	70	1	-14,07635935	-42,21435123
VS	70	1	-13,99954488	-42,19589946
VS	70	1	-14,0637668	-42,35130431
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VS	70	1	-13,98372915	-42,17367312
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VS	70	1	-13,98291397	-42,17561697
VS	150	1	-14,09797159	-42,19043333
MV	400	1	-14,11351689	-42,16269885
VS	70	1	-14,11280284	-42,16230924
VS	70	1	-14,09419373	-42,30388289
VS	70	1	-14,14810064	-42,14139137
VS	70	1	-13,98036657	-42,20703145
VS	70	2	-14,00114661	-42,19428956
VS	400	1	-14,16529472	-42,30748865
VS	70	1	-14,06807767	-42,25119047
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MV	250	1	-14,10346317	-42,16125585
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MV	250	1	-14,17830448	-42,27890791
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VS	70	1	-14,17724716	-42,31510365
VS	70	1	-14,1487593	-42,25945071
VS	70	1	-14,17477572	-42,31741698
VS	400	2	-14,17477572	-42,31741698
VS	70	1	-14,17665713	-42,31686357
FL	45	1	-14,17624985	-42,31716882
VS	70	1	-14,17163888	-42,31692149
VS	70	1	-14,17537228	-42,31756608
VS	70	1	-14,15062985	-42,26049987
VS	70	1	-14,16694035	-42,26151913
LD	100	1	-14,17394386	-42,31049346
VS	70	1	-14,17394386	-42,31049346
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VS	70	1	-14,15006873	-42,28496135
LD	100	1	-14,04589132	-42,13545703
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VS	70	1	-14,03581513	-42,15628261
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LD	100	1	-14,04739438	-42,13832566
VS	100	1	-14,04692812	-42,1372937
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VS	70	1	-14,00035819	-42,16147818
LD	100	1	-14,04578658	-42,13791367
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VS	70	1	-14,03286516	-42,13758115
LD	100	1	-14,04702373	-42,13803878
VS	70	1	-14,03309614	-42,14700726
VS	70	1	-14,03588609	-42,15686307
VS	70	1	-14,13414949	-42,13304196
VS	70	1	-14,17645584	-42,30080748
LD	100	1	-14,04653297	-42,13858744
VS	70	1	-14,12999782	-42,08402771
FL	30	1	-14,09631678	-42,13482759
LD	100	1	-14,04636343	-42,13795754
LD	100	1	-14,04586789	-42,1370783
MV	250	1	-14,13490857	-42,13284931
LD	100	1	-14,04547821	-42,13670565
LD	100	1	-14,04678122	-42,13961436
MV	400	1	-14,02935314	-42,15161048
MV	70	1	-14,11204891	-42,04865742

LD	100	1	-14,04731113	-42,13699394
VS	70	1	-14,03590526	-42,1564504
VS	70	1	-14,13017588	-42,08525505
VS	70	1	-14,14828018	-42,28347659
VS	70	1	-14,01394217	-42,15984818
LD	100	1	-14,04670669	-42,13633682
VS	70	1	-14,14756543	-42,28384635
LD	100	1	-14,04683006	-42,1378475
LD	100	1	-14,04728144	-42,1391098
VS	70	1	-14,181011	-42,26113123
VS	70	1	-14,14244802	-42,12171446
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VM	125	1	-14,14985261	-42,28421054
MV	250	1	-14,133245	-42,13323268
LD	100	1	-14,04608772	-42,13768137
LD	100	1	-14,04745866	-42,13880111
VS	70	1	-14,035759	-42,155397
VS	70	1	-13,94109006	-42,32184611
VS	70	1	-14,13106398	-42,07913843
VS	70	1	-13,95997753	-42,26655944
VS	70	1	-14,17219392	-42,22543069
VS	70	1	-14,03404527	-42,14909092
HL	300	1	-14,04198254	-42,10248496
VS	400	1	-14,0377417	-42,14258504
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VS	70	1	-14,03678085	-42,14295529
FL	40	1	-14,1479718	-42,04663912
VS	70	1	-14,03330953	-42,15023793
VS	400	1	-14,03822104	-42,14131382
VS	70	1	-14,15225302	-42,14765132
VS	70	1	-14,03196941	-42,14891798
VS	250	1	-14,04129038	-42,14034043
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VS	70	1	-14,10178494	-42,19341949
VS	70	1	-14,16087248	-42,10951479
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VS	400	1	-14,03384272	-42,1420644
VS	70	1	-13,96609889	-42,28669814
VS	70	1	-14,14845092	-42,04719518
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MV	70	1	-14,11806852	-42,01710065
VS	70	1	-14,03546132	-42,14085408
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VS	70	2	-14,03606805	-42,14038017
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VS	70	1	-14,12508095	-42,02328673
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FL	45	1	-13,91432322	-42,2462301
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VS	70	1	-14,03416083	-42,13924914
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VS	400	1	-14,03879603	-42,14160924
VS	70	1	-14,03387735	-42,14359578
VS	70	1	-14,03832894	-42,1438647
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VS	70	1	-14,03352727	-42,14031382
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VS	250	1	-14,04092239	-42,14062723
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FL	30	1	-13,9950293	-42,29003015
VS	70	1	-14,1929846	-42,22581388
VS	70	1	-13,98032441	-42,20340182
MV	70	1	-14,09443935	-42,30269746
VS	70	1	-14,11094647	-42,1663565
VS	150	1	-14,10335526	-42,16037568
VS	70	1	-14,03368947	-42,1482104
VS	70	1	-14,03934427	-42,24920519
MV	70	1	-14,09520711	-42,30333766
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FL	30	1	-14,06946683	-42,33203912
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VS	70	1	-14,10953919	-42,2381913
MV	250	1	-14,09528825	-42,30353231
VS	70	1	-14,09528825	-42,30353231
VS	70	1	-14,11016247	-42,23882192
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VS	70	1	-14,09484628	-42,30266094
VS	70	1	-14,02799411	-42,23346775
VS	70	1	-14,10909549	-42,23884861
VS	70	1	-14,08383631	-42,31440159
VS	70	1	-14,11066642	-42,24124044
FL	30	1	-14,06358915	-42,34669657
VS	70	1	-14,08147354	-42,31657522
VS	70	1	-14,10365338	-42,16076499
VS	70	1	-14,09404852	-42,30430883
VS	70	1	-14,10972798	-42,16844224
VS	70	1	-14,1009882	-42,15742808
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VS	70	1	-14,1493076	-42,1491333
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FL	45	1	-14,07098055	-42,33024191
VS	70	1	-14,09434864	-42,30292893
VS	70	1	-14,07699983	-42,21603769
MV	250	1	-14,15194918	-42,14799555
LD	9	1	-14,06315636	-42,34774025
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VS	70	1	-13,9738533	-42,23051552
VS	150	1	-14,10396049	-42,16124693
VS	70	1	-14,01603749	-42,19599665
VS	70	1	-14,09498254	-42,30216088
FL	45	1	-14,07268262	-42,32770152

VS	70	1	-14,03470386	-42,14884591
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VS	70	1	-14,07569499	-42,13185426
VS	70	1	-14,10175649	-42,14184643
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VS	70	1	-14,10145277	-42,14153127
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VS	250	1	-14,12666552	-42,16029917

VS	70	1	-14,17512412	-42,22473854
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FL	30	1	-14,16332522	-42,18079439
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LD	100	1	-14,04652307	-42,13612897
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FL	30	2	-14,14842889	-42,14841638
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MV	400	1	-14,03577764	-42,14218597
LD	30	1	-14,1305539	-42,06073745
VS	250	1	-14,04508439	-42,13628512
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MV	70	1	-14,16967946	-42,22631783
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VS	70	1	-14,03571389	-42,14296389
VS	70	1	-14,01155998	-42,1966476
VS	70	2	-14,03433625	-42,14110448
LD	15	1	-14,1572916	-42,14533758
VS	70	1	-14,03543318	-42,14363981
VS	70	1	-14,03499936	-42,14331539
FL	45	1	-13,9525501	-42,35183916
VS	70	1	-14,03218275	-42,14318373
VS	70	1	-14,1481081	-42,04300689
VS	70	1	-14,03421107	-42,14482914
VS	70	1	-14,03567755	-42,14324171

VS	70	1	-14,03346649	-42,14372389
FL	30	1	-14,16310503	-42,13062083
MV	250	1	-14,03802295	-42,14923183
FL	40	1	-13,92584486	-42,32737836
MV	70	1	-14,12609336	-42,02608488
VS	70	1	-14,03569777	-42,13960199
VS	70	1	-14,08637548	-42,31564634
MT	160	1	-14,01091509	-42,26725096
VS	70	1	-14,03661677	-42,15743175
VS	70	1	-14,03533624	-42,13934246
VS	70	1	-13,88985298	-42,16246015
VS	70	1	-14,13689283	-42,05863581
VS	70	1	-14,03560358	-42,14597378
FL	30	1	-13,98808463	-42,30516066
VS	70	1	-14,15060395	-42,04135797
VS	70	1	-14,03476866	-42,14845262
VS	70	1	-14,03159835	-42,14411505
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VS	70	1	-14,03297572	-42,1402857
VS	70	1	-14,03796507	-42,14343761
VS	70	1	-14,03215242	-42,1411002
VS	400	1	-14,03191686	-42,14190578
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VS	70	1	-14,03541695	-42,14049092
VS	70	1	-14,03758405	-42,27966414
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VS	70	1	-14,03410023	-42,14299273
VS	400	1	-14,03328295	-42,14155487
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VS	70	1	-14,14039973	-42,06473738
VS	250	1	-14,03824616	-42,14212265
VS	70	1	-14,03301781	-42,1442102
VS	70	1	-14,03648063	-42,14391061
VS	70	1	-14,15381199	-42,14623783
LD	200	1	-14,03977116	-42,14215451
VS	400	1	-14,03977116	-42,14215451
VS	70	1	-14,15224655	-42,05649914
VS	70	1	-14,13859116	-42,06475152
VS	70	1	-14,0343302	-42,14141149
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FL	30	1	-14,13941696	-42,06473933
VS	70	1	-14,16168692	-42,1080418
VS	70	1	-14,15630848	-42,18105761
VS	70	1	-14,12014452	-42,01751427
VS	70	1	-13,88419276	-42,16223413
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VM	125	1	-13,98817293	-42,29959586
VS	70	1	-14,03019395	-42,14243087
VS	70	1	-14,19312359	-42,22637537
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VS	70	1	-14,18369599	-42,34648224
VS	70	1	-13,89857818	-42,16312332
VS	70	1	-14,12177939	-42,13654062
VS	70	1	-14,03386585	-42,14101844
VS	400	1	-14,04096637	-42,14943867
VS	400	1	-14,03655501	-42,14261247
VS	400	1	-14,04154835	-42,14909349
VS	70	1	-14,03150933	-42,14175375
VS	70	1	-14,02980968	-42,14438354
VS	70	1	-14,02903288	-42,14557506

FL	45	1	-13,90991105	-42,24587373
VS	70	1	-14,16486433	-42,03304824
VS	70	1	-14,02877515	-42,1429064
FL	25	1	-13,9600588	-42,26937323
FL	30	1	-13,97983838	-42,25827103
VS	400	1	-14,04071919	-42,14953345
VS	70	1	-14,03415562	-42,14397335
VS	150	1	-14,03271352	-42,14025776
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VS	70	1	-14,03106481	-42,14331177
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VS	400	1	-14,03806578	-42,14132605
VS	70	1	-14,16552391	-42,0364492
VS	70	1	-13,94321076	-42,31812747
VS	250	1	-14,04209182	-42,13980438
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VS	70	1	-14,15842373	-42,18180058
VS	70	1	-14,03677111	-42,14414075
VS	70	1	-14,06897705	-42,12799029
MV	400	1	-14,15202917	-42,1791473
VS	70	1	-13,87290021	-42,16063455
VS	70	1	-14,03546112	-42,14120065
VS	70	1	-14,18382324	-42,34601907
VS	70	1	-14,15732091	-42,18141052
LD	15	1	-14,15621679	-42,14518753
VS	400	1	-14,03916893	-42,14129893
VS	70	1	-14,03445897	-42,13967534
VS	70	1	-14,14083095	-42,04747886
VS	70	1	-14,02809692	-42,14303276
VS	70	1	-14,03376239	-42,14027691
VS	70	1	-13,97144523	-42,16633103
MT	160	1	-14,06292987	-42,08718316
FL	30	1	-14,03112781	-42,35976501
VS	70	1	-14,03289769	-42,14457614
VS	70	1	-14,03576758	-42,14389933
VS	70	1	-14,03204525	-42,14969357
FL	30	2	-14,16488509	-42,11386274
FL	45	1	-14,16939344	-42,22274984
VS	250	1	-14,15365112	-42,179749
MV	400	1	-14,03579874	-42,14872751
VS	70	1	-14,02962028	-42,14310871
VS	70	1	-14,09816903	-42,13960237
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VS	400	1	-14,03731455	-42,14258515
VS	250	1	-14,02841326	-42,14280495
MV	400	1	-14,03771314	-42,14133509
VS	400	1	-14,03771314	-42,14133509
VS	70	1	-14,03212576	-42,14030371
VS	70	1	-14,03378967	-42,14000835
FL	45	1	-13,94333703	-42,27584905
VS	70	1	-14,16255723	-42,18002467
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VS	70	1	-14,0371243	-42,14321482
VS	70	1	-14,03550629	-42,14234325
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VS	70	1	-14,03165928	-42,14353561
VS	70	1	-14,00365569	-42,28205873
VS	400	1	-14,03876878	-42,14212611
MV	400	1	-14,03515494	-42,15492927
VS	250	1	-14,04350767	-42,13815386
VS	70	1	-14,14524635	-42,06353025
FL	30	1	-13,98737862	-42,31285429

VS	70	1	-14,03032181	-42,14257246
VS	400	1	-14,03219702	-42,14213749
VM	125	1	-14,16953548	-42,32122759
FL	45	1	-13,98080173	-42,25361474
LD	12	1	-14,16153724	-42,12568637
VS	70	1	-14,12207947	-42,01793133
LD	200	1	-14,03706569	-42,142634
VS	400	1	-14,03706569	-42,142634
VS	70	1	-14,03729093	-42,14169604
VS	70	1	-14,09944519	-42,19074025
FL	45	1	-13,924808	-42,3297338
FL	40	1	-13,92354661	-42,32334009
FL	30	1	-14,09639662	-42,13991628
VS	70	1	-14,03385339	-42,13926748
VS	70	1	-14,15360577	-42,17994356
VS	250	1	-14,03721805	-42,1489167
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VS	70	1	-14,03557772	-42,14386217
VS	70	1	-13,89851277	-42,16624252
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VS	70	1	-14,03530936	-42,13892568
VS	70	1	-13,88369526	-42,16251145
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VS	400	1	-14,03410457	-42,14268507
LD	15	1	-14,15329973	-42,14719118
VS	70	1	-14,12381741	-42,1361336
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VS	70	1	-13,8850621	-42,16028184
MV	250	1	-14,12084981	-42,01732902
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LD	15	1	-14,15767477	-42,14508031
VS	70	1	-14,03628493	-42,13997289
VS	70	1	-14,13288036	-42,04885986
VS	70	1	-13,87357813	-42,16099595
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VS	70	1	-14,02982767	-42,14286045
VS	70	1	-14,0344415	-42,13861027
VS	70	1	-14,18803551	-42,34683171
MV	250	1	-14,12615326	-42,0265285
VS	70	1	-14,12615326	-42,0265285
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VS	70	1	-14,0348443	-42,14556581
VS	400	1	-14,03622732	-42,14139606
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MV	250	1	-14,12174493	-42,01770895
VS	70	1	-13,99061721	-42,29719153
VS	70	1	-14,18156232	-42,34635853
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VS	70	1	-14,03487481	-42,13983303
LD	15	1	-14,1559939	-42,17850915
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LD	100	1	-14,04757889	-42,13728029
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MV	400	1	-14,03525429	-42,15496036
VS	70	1	-13,89908413	-42,16371605
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VS	70	1	-14,03335311	-42,14432386
FL	30	1	-14,16138833	-42,10850498
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LD	15	1	-14,15529747	-42,14521809
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VS	70	1	-14,03444011	-42,14572448

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VS	70	1	-14,14905761	-42,0423955
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VS	250	1	-14,04255988	-42,13926054
VS	250	4	-14,03241863	-42,14154573
VS	400	1	-14,03241863	-42,14154573
MT	160	1	-13,94055685	-42,32164171
VS	70	1	-14,0321832	-42,14242532
VS	70	1	-14,03605782	-42,13820484
VS	70	1	-14,03329084	-42,14260122
VS	400	1	-14,03216075	-42,14155225
FL	30	1	-13,98532614	-42,31282375
VS	70	1	-14,16083524	-42,11186846
VS	70	1	-14,03275694	-42,14331401
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VS	70	1	-13,98332142	-42,17484875
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VS	70	1	-14,03326833	-42,14135973
MV	250	1	-14,03504361	-42,14491764
VS	70	1	-14,16589212	-42,20472286
VS	70	1	-14,03603581	-42,13731091
VS	70	1	-14,03659024	-42,15707554
ME	70	1	-14,04764284	-42,10248743
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ME	150	1	-14,13580799	-42,05781091
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VS	70	1	-14,03501779	-42,14272267
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MV	400	2	-14,04014501	-42,1420775
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VS	70	1	-14,03488344	-42,14055543
VS	70	1	-14,03789926	-42,15241187
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VS	400	1	-14,03303747	-42,14154907
VS	70	1	-14,15503357	-42,18104735
VS	250	1	-14,042799	-42,13900941
VS	70	1	-14,029435	-42,14389163

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LD	9	1	-14,03628967	-42,13221172
ME	250	1	-14,17219497	-42,18553341
VS	70	1	-14,03653765	-42,14138069
FL	30	1	-14,11279238	-42,30898871
VS	70	1	-13,93619677	-42,22671071
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FL	30	1	-13,97487948	-42,30822659
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LD	100	1	-14,04643052	-42,1373287
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VS	70	1	-14,02880992	-42,14252467
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VS	70	1	-14,04030181	-42,28301082
VS	70	1	-13,89625876	-42,16990624
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MV	400	1	-14,03487386	-42,15613306
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FL	45	1	-13,95304706	-42,35208061
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MT	160	1	-13,92642464	-42,32506799
VS	70	1	-13,9430151	-42,32253382
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VS	400	1	-14,15501741	-42,14691438
MV	70	1	-14,12494558	-42,02032191
FL	45	1	-13,93026927	-42,24131277
VS	70	1	-14,03538123	-42,13973146
VS	70	1	-14,10363746	-42,19476433
LD	45	1	-14,06678482	-42,32428955
VS	70	1	-14,03964132	-42,28337121
VS	70	1	-14,03657839	-42,14174978
VS	400	1	-14,03455294	-42,14273452
VS	400	1	-14,03738689	-42,14257594

VS	70	1	-14,03443268	-42,13822129
VS	70	1	-13,94144259	-42,32192991
VS	70	1	-14,0995718	-42,13740764
VS	70	1	-14,14527396	-42,06165856
MV	250	1	-14,13232612	-42,04734106
VS	70	1	-14,03214135	-42,14452686
VS	70	1	-14,15229594	-42,05717623
VS	70	1	-14,03499823	-42,14519545
VS	70	1	-14,16223298	-42,17831938
VS	400	1	-14,16223298	-42,17831938
VS	150	1	-14,13351668	-42,04961021
VS	250	1	-14,15290412	-42,13402614
VS	70	1	-14,09826804	-42,14037133
VS	70	1	-14,15317206	-42,17952624
VS	250	1	-13,88444612	-42,16197516
VS	70	1	-13,88475484	-42,16002248
VS	250	1	-14,04036195	-42,14157037
VS	70	1	-14,03601183	-42,13494007
VS	70	1	-14,03413346	-42,13967515
VS	400	1	-14,0332984	-42,14280497
MV	250	1	-14,03524577	-42,15428103
VS	400	1	-14,07010167	-42,12938524
VS	70	1	-14,03535534	-42,14854719
VS	70	1	-13,97187111	-42,16633134
VS	70	1	-14,03477721	-42,13659149
VS	250	1	-14,03477721	-42,13659149
VS	70	1	-14,03628261	-42,13929847
VS	70	1	-14,14613871	-42,14200978
VS	70	1	-14,03597723	-42,1410562
VS	70	1	-14,03330276	-42,14474328
VS	70	1	-14,03159228	-42,14031265
MV	400	1	-14,12073789	-42,01695083
VS	70	1	-13,96144876	-42,26656038
VS	70	1	-14,03487516	-42,1392403
VS	70	1	-14,03501725	-42,14363955
VS	70	1	-14,15675784	-42,14536699
VS	70	1	-14,03463747	-42,14365784
VS	250	1	-14,04044768	-42,14124469
VS	400	1	-14,04184631	-42,14889585
VS	400	1	-14,04010287	-42,14984813
VS	70	1	-14,03485684	-42,13964779
VS	70	1	-14,15320156	-42,13361396
VS	70	1	-14,03481263	-42,13790663
FL	30	1	-13,91297429	-42,24787633
VS	70	1	-14,15296034	-42,05871392
VS	400	1	-14,03522651	-42,14145399
VS	70	2	-14,10224534	-42,19433702
VS	250	1	-14,04173974	-42,14008147
VS	70	1	-13,98310411	-42,17525599
LD	15	1	-14,15571455	-42,14512013
MT	160	1	-14,16707703	-42,20422351
ME	400	1	-14,11260906	-42,04495533
VS	70	1	-13,89826829	-42,16674217
VS	250	1	-14,04399907	-42,13757289
VS	70	1	-14,03545244	-42,14165788
VS	70	1	-14,03212441	-42,13997901
MV	400	1	-14,03925361	-42,15077355
VS	400	1	-14,03589492	-42,14263986
VS	70	1	-14,03163364	-42,14315662
VS	400	1	-14,03930375	-42,1412878
VS	400	1	-14,03386984	-42,14145326
MV	400	1	-14,03492929	-42,15599066

VS	70	1	-14,02883246	-42,14536313
VS	70	1	-14,09268855	-42,14136845
VS	70	1	-14,13519591	-42,05980571
MV	250	1	-14,03580771	-42,15217906
VS	70	1	-13,88564959	-42,16066171
VS	70	1	-14,0312062	-42,14212892
VS	70	1	-14,03656495	-42,14108434
MV	250	3	-14,03595276	-42,15158642
MV	400	1	-14,03512286	-42,15460538
VS	400	1	-14,03512286	-42,15460538
VS	70	1	-14,03480388	-42,13739725
VS	70	1	-14,03622886	-42,14367734
MV	250	1	-14,03599859	-42,15059548

ANEXO 2–RESULTADOS DOS LEVANTAMENTOS–GRUPO_1

ANEXO 2 – RESULTADOS DOS LEVANTAMENTOS – GRUPO 1
Sebastião Laranjeiras

					Calçada do ponto						Via					Calçada oposta				
Endereço	Hierarquia Viária	Via	Calçada	Data	Emin	Emed	NBR	U	NBR	Via	Emin	Emed	Emed (NBR)	U	U (NBR)	Emin	Emed	NBR	U	NBR
Av. Santa Cruz	Coletora	V4	P3	1/2/22	2,40	9,21	Atende	0,26	Atende	V3	3,02	6,81	Não Atende	0,44	Atende	2,64	4,58	Não Atende	0,58	Atende
BA-263	Coletora	V3	P3	1/2/22	10,52	20,80	Atende	0,51	Atende	V3	23,77	68,84	Atende	0,35	Atende	-	-	Não Atende	-	Não Atende
Av. Sete de Setembro	Arterial	V2	P2	1/2/22	-	-	-	-	-	V4	2,79	30,86	Atende	0,09	Não Atende	-	-	Não Atende	-	Não Atende
Rua Arlindo Pereira dos Santos	Local	V5	P4	1/1/22	0,65	4,83	Atende	0,13	Não Atende	V2	0,69	5,52	Atende	0,12	Não Atende	-	-	Não Atende	-	Não Atende
Rua Antonio Francisco Dias	Local	V5	P4	1/2/22	0,44	3,80	Atende	0,12	Não Atende	V4	0,49	4,59	Não Atende	0,11	Não Atende	-	-	Não Atende	-	Não Atende
Rua Olímpio Monteiro Magalhães	Local	V5	P4	1/1/22	0,10	5,72	Atende	0,02	Não Atende	V4	0,19	6,35	Atende	0,03	Não Atende	-	-	Não Atende	-	Não Atende
Av. Sebastião Rocha	Local	V5	P4	1/2/22	0,15	4,24	Atende	0,04	Não Atende	V4	0,23	0,23	Não Atende	1,00	Atende	-	-	Não Atende	-	Não Atende
Av. Livramento	Local	V5	P4	1/1/22	0,23	2,56	Não Atende	0,09	Não Atende	V4	0,32	2,62	Não Atende	0,12	Não Atende	0,39	1,28	Não Atende	0,30	Atende
Rua Dois de Maio	Local	V4	P4	1/2/22	-	0,36	Não Atende	-	Não Atende	V3	-	0,60	Não Atende	-	Não Atende	-	0,18	Não Atende	-	Não Atende
Rua João Carlos Leão	Local	V5	P4	1/2/22	-	3,10	Atende	-	Não Atende	V4	-	3,07	Não Atende	-	Não Atende	-	1,56	Não Atende	-	Não Atende
Av. Tiradentes	Local	V5	P4	1/2/22	0,50	9,30	Atende	0,05	Não Atende	V4	0,88	25,69	Atende	0,03	Não Atende	6,80	22,32	Atende	0,30	Atende
Av. Sete de Setembro	Arterial	V2	P2	1/2/22	-	4,56	Não Atende	-	Não Atende	V4	-	6,96	Não Atende	-	Não Atende	-	1,58	Não Atende	-	Não Atende
Av. Sete de Setembro	Arterial	V2	P2	1/2/22	0,20	9,95	Não Atende	0,02	Não Atende	V3	6,10	12,23	Não Atende	0,50	Atende	0,50	9,52	Não Atende	0,05	Não Atende
Rua Dom Pedro Um	Local	V5	P4	1/2/22	-	5,33	Atende	-	Não Atende	V4	0,46	6,90	Atende	0,07	Não Atende	0,70	3,44	Atende	0,20	Atende
Travessa Santa Rita	Local	V5	P4	1/2/22	-	1,04	Não Atende	-	Não Atende	V4	-	2,49	Não Atende	-	Não Atende	0,60	7,72	Atende	0,08	Não Atende
Av. Santos Dumont	Local	V4	P4	1/2/22	2,10	24,77	Atende	0,08	Não Atende	V4	1,52	8,76	Não Atende	0,17	Não Atende	0,60	4,25	Atende	0,14	Não Atende

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					Calçada do ponto						Via					Calçada oposta				
Endereço	Hierarquia Viária	Via	Calçada	Data	Emin	Emed	NBR	U	NBR	Via	Emin	Emed	Emed (NBR)	U	U (NBR)	Emin	Emed	NBR	U	NBR
BA-160	Coletora	V3	P3	2/2/22	-	-	-	-	-	V3	26,50	48,08	Atende	0,55	Atende	-	-	-	-	-
N/I	Local	V5	P4	2/2/22	-	-	-	-	-	V3	0,81	5,56	Atende	0,15	Não Atende	-	-	-	-	-
Rua Dalva Feitosa	Local	V5	P4	1/2/20	-	1,60	Não Atende	-	Não Atende	V4	-	1,55	Não Atende	-	Não Atende	-	0,47	Não Atende	-	Não Atende
Rua Agenor Pereira	Local	V5	P4	2/2/22	-	2,91	Não Atende	-	Não Atende	V4	-	2,53	Não Atende	-	Não Atende	-	0,94	Não Atende	-	Não Atende
Av. Vicente Cristo Lopes	Arterial	V2	P2	2/2/22	9,30	18,31	Atende	0,51	Atende	V4	8,65	30,07	Atende	0,29	Não Atende	10,90	34,51	Atende	0,32	Atende
Av. Vicente Cristo Lopes	Arterial	V2	P2	2/2/22	9,00	14,81	Atende	0,61	Atende	V4	2,00	24,09	Atende	0,08	Não Atende	-	-	-	-	-
Rua Eduardo Queiroz	Local	V5	P4	2/2/22	-	1,28	Não Atende	-	Não Atende	V4	-	1,35	Não Atende	-	Não Atende	-	0,31	Não Atende	-	Não Atende
Travessa Robson Caires	Local	V5	P4	2/2/22	-	0,10	3,90	Atende	0,03	Não Atende	V4	-	2,12	Não Atende	-	Não Atende	-	17,21	Atende	Não Atende
Rua Augusto Rocha	Local	V5	P4	2/2/22	-	2,95	Não Atende	-	Não Atende	V3	0,10	3,31	Não Atende	0,03	Não Atende	-	1,99	Não Atende	-	Não Atende
Rua Alvorada	Local	V5	P4	2/2/22	-	3,22	Atende	-	Não Atende	V4	-	3,29	Não Atende	-	Não Atende	-	0,23	Não Atende	-	Não Atende
Av. Oscar Teixeira	Coletora	V3	P3	2/2/22	4,80	24,10	Atende	0,20	Não Atende	V4	5,02	22,97	Atende	0,22	Atende	-	-	-	-	-
Av. Oscar Teixeira	Coletora	V3	P3	2/2/22	-	-	-	-	-	V4	1,21	28,20	Atende	0,04	Não Atende	-	-	-	-	-
Rua Agenor Pereira	Local	V5	P4	2/2/22	-	1,69	Não Atende	-	Não Atende	V3	-	1,69	Não Atende	-	Não Atende	-	1,12	Não Atende	-	Não Atende
Av. Tiradentes	Coletora	V5	P3	2/2/22	1,30	10,90	Atende	0,12	Não Atende	V4	1,70	14,29	Atende	0,12	Não Atende	-	-	-	-	-
Rua Zilda Malheiros	Local	V4	P4	2/2/22	2,30	22,88	Atende	0,10	Não Atende	V4	4,96	20,19	Atende	0,25	Atende	3,25	5,65	Atende	0,58	Atende
Tv. Aberlado Azevedo	Local	V5	P4	2/2/22	0,80	11,73	Atende	0,07	Não Atende	V4	1,13	10,19	Atende	0,11	Não Atende	0,76	5,44	Atende	0,14	Não Atende
Rua Joaquim Severo	Local	V5	P4	2/2/22	3,00	6,15	Atende	0,49	Atende	V4	0,65	11,35	Atende	0,06	Não Atende					
Rua Gilvan Ribeiro	Local	V5	P4	2/2/22	1,40	25,14	Atende	0,06	Não Atende	V4	1,90	36,84	Atende	0,05	Não Atende	15,00	19,04	Atende	0,79	Atende
Rua Joaquim Severo	Local	V5	P4	2/2/22	9,00	24,34	Atende	0,37	Atende	V4	15,14	28,09	Atende	0,54	Atende	8,00	17,47	Atende	0,46	Atende
Rua Vicente Cristo Lopes	Arterial	V2	P2	2/2/22	0,10	3,75	Não Atende	0,03	Não Atende	V4	0,11	4,02	Não Atende	0,03	Não Atende	0,97	2,36	Não Atende	0,41	Atende
Estrada Para Pindoramas	Coletora	V4	P3	2/2/22	0,25	1,81	Não Atende	0,14	Não Atende	V4	0,29	1,64	Não Atende	0,18	Não Atende	0,23	0,85	Não Atende	0,27	Atende
N/I	Local	V5	P4	2/2/22	0,07	1,12	Não Atende	0,06	Não Atende	V4	0,10	0,92	Não Atende	0,11	Não Atende	0,10	0,44	Não Atende	0,23	Atende
Rua Rui Barbosa	Local	V5	P4	2/2/22	0,10	2,59	Não Atende	0,04	Não Atende	V4	0,10	2,24	Não Atende	0,05	Não Atende	0,07	0,84	Não Atende	0,08	Não Atende
Av. Etelvino Santana	Coletora	V3	P3	2/2/22	1,90	9,19	Atende	0,21	Atende	V4	2,07	12,62	Não Atende	0,16	Não Atende	3,70	9,54	Atende	0,39	Atende
Av. Etelvino Santana	Coletora	V3	P3	2/2/22	0,07	2,93	Não Atende	0,02	Não Atende	V4	0,48	3,97	Não Atende	0,12	Não Atende	1,15	3,00	Não Atende	0,38	Atende

Guanambi

					Calçada do ponto						Via					Calçada oposta				
Endereço	Hierarquia Viária	Via	Calçada	Data	Emin	Emed	NBR	U	NBR	Via	Emin	Emed	Emed (NBR)	U	U (NBR)	Emin	Emed	NBR	U	NBR
Parque da Cidade	Local	V4	P4	8/2/22	-	-	-	-	-	V3	13,77	61,87	Atende	0,22	Atende	-	-	-	-	-
Rua Otávio Mangabeira	Coletora	V3	P3	7/2/22	4,40	24,61	Atende	0,18	Não Atende	V4	4,62	26,98	Atende	0,17	Não Atende	3,50	17,07	Atende	0,21	Atende
Rua Santa Catarina	Local	V4	P4	7/2/22	4,40	11,88	Atende	0,37	Atende	V4	5,99	22,01	Atende	0,27	Atende	13,60	21,86	Atende	0,62	Atende
Rua Porto Seguro	Local	V4	P4	7/2/22	4,10	19,77	Atende	0,21	Atende	V4	5,65	35,49	Atende	0,16	Não Atende	11,10	25,40	Atende	0,44	Atende
Rua Joaquim Normanha	Local	V4	P4	3/2/22	-	9,79	Atende	-	Não Atende	V4	-	10,79	Atende	-	Não Atende	-	4,17	Atende	-	Não Atende
Rua Otávio Mangabeira	Arterial	V2	P2	7/2/22	5,20	14,46	Atende	0,36	Atende	V4	6,28	26,22	Atende	0,24	Não Atende	3,40	12,69	Atende	0,27	Atende
Av. Santos Dumont	Arterial	V2	P2	8/2/22	0,80	12,63	Atende	0,06	Não Atende	V4	0,87	27,60	Atende	0,03	Não Atende	1,60	21,51	Atende	0,07	Não Atende
Av. Pres. Castelo Branco	Coletora	V3	P3	8/2/22	8,90	31,56	Atende	0,28	Atende	V4	7,54	25,58	Atende	0,29	Atende	2,59	16,67	Atende	0,16	Não Atende
Av. Tiradentes	Coletora	V3	P3	7/2/22	2,15	15,96	Atende	0,13	Não Atende	V4	3,55	17,59	Atende	0,20	Atende	3,70	7,37	Atende	0,50	Atende
Rua Largo dos Quincas	Local	V4	P4	7/2/22	0,75	4,76	Atende	0,16	Não Atende	V3	1,04	5,70	Não Atende	0,18	Não Atende	2,30	4,99	Atende	0,46	Atende
Av. Gov. Waldir Pires	Arterial	V2	P2	7/2/22	3,85	25,46	Atende	0,15	Não Atende	V4	24,55	42,37	Atende	0,58	Atende	13,25	40,76	Atende	0,33	Atende
Av. do Ipiranga	Local	V4	P4	7/2/22	12,20	35,46	Atende	0,34	Atende	V4	10,66	31,75	Atende	0,34	Atende	10,20	24,02	Atende	0,42	Atende
Rua Leocádia	Local	V4	P4	7/2/22	2,70	9,56	Atende	0,28	Atende	V4	3,27	16,96	Atende	0,19	Não Atende	3,96	10,85	Atende	0,37	Atende
Rua B	Local	V4	P4	8/2/22	0,50	9,77	Atende	0,05	Não Atende	V4	1,21	6,14	Não Atende	0,20	Não Atende	1,55	4,92	Atende	0,31	Atende
Rua C	Local	V4	P4	8/2/22	0,80	1,81	Não Atende	0,44	Atende	V4	0,69	2,56	Não Atende	0,27	Atende	0,40	3,51	Atende	0,11	Não Atende
Av. Manoel Nunes dos Santos	Local	V4	P4	7/2/22	-	-	-	-	-	V4	1,81	4,41	Não Atende	0,41	Atende					
Rua Bahia	Local	V4	P4	7/2/22	2,20	22,87	Atende	0,10	Não Atende	V4	4,42	42,00	Atende	0,11	Não Atende	16,00	37,98	Atende	0,42	Atende
Rua Minas Gerais	Local	V4	P4	7/2/22	13,00	29,87	Atende	0,44	Atende	V4	20,90	46,44	Atende	0,45	Atende	12,90	42,05	Atende	0,31	Atende
Rua Sergipe	Local	V4	P4	7/2/22	0,70	4,23	Atende	0,17	Não Atende	V4	0,81	5,95	Não Atende	0,14	Não Atende	1,10	4,63	Atende	0,24	Atende
Av. Mato Grosso	Local	V4	P4	7/2/22	5,10	100,41	Atende	0,05	Não Atende	V4	5,26	33,31	Atende	0,16	Não Atende	5,50	28,40	Atende	0,19	Não Atende
Rua Djalma Mota	Local	V4	P4	8/2/22	4,50	13,50	Atende	0,33	Atende	V4	4,50	16,89	Atende	0,27	Atende	2,80	6,10	Atende	0,46	Atende
Rua Chico Mendes	Local	V4	P4	1/8/20	1,20	8,30	Atende	0,14	Não Atende	V4	1,22	36,48	Atende	0,03	Não Atende	1,90	8,45	Atende	0,22	Atende
Av. Deolinda Martins	Coletora	V3	P3	7/2/22	0,90	18,30	Atende	0,05	Não Atende	V4	1,36	19,05	Atende	0,07	Não Atende	1,80	8,39	Atende	0,21	Atende
Av. Joaquim Chaves	Coletora	V3	P3	7/2/22	-	-	-	-	-	V4	3,14	15,40	Atende	0,20	Atende	-	-	-	-	-
Av. Um	Local	V4	P4	8/2/22	-	-	-	-	-	V4	1,12	59,87	Atende	0,02	Não Atende	-	-	-	-	-
Rua B	Local	V4	P4	8/2/22	-	2,47	Não Atende	-	Não Atende	V4	0,04	2,75	Não Atende	0,01	Não Atende	-	-	-	-	-
Av. Nilo Coelho	Arterial	V2	P2	16/2/22	9,23	26,90	Atende	0,34	Atende	V4	18,24	58,08	Atende	0,31	Atende	18,00	35,93	Atende	0,50	Atende
Rua Rogaciano Francisco de Moraes	Local	V4	P4	9/2/22	19,43	32,56	Atende	0,60	Atende	V3	17,83	31,28	Atende	0,57	Atende	4,80	12,42	Atende	0,39	Atende
Rua Edgar Teixeira	Local	V4	P4	8/2/22	2,50	35,93	Atende	0,07	Não Atende	V3	4,24	42,88	Atende	0,10	Não Atende	6,72	23,88	Atende	0,28	Atende
Rua Dr. José Humberto Nunes	Coletora	V3	P3	8/2/22	4,22	9,71	Atende	0,43	Atende	V2	5,43	17,49	Atende	0,31	Atende	5,80	18,42	Atende	0,31	Atende
Av. Barão do Rio Branco	Arterial	V2	P2	8/2/22	7,40	13,20	Atende	0,56	Atende	V3	6,22	16,35	Não Atende	0,38	Atende	5,19	7,50	Não Atende	0,69	Atende
Rua Estóquio da Costa	Local	V4	P4	8/2/22	0,70	10,23	Atende	0,07	Não Atende	V4	0,89	12,17	Atende	0,07	Não Atende	0,96	5,25	Atende	0,18	Não Atende
Rua Domingos Antonio Teixeira	Local	V4	P4	8/2/22	3,20	14,17	Atende	0,23	Atende	V4	6,26	20,70	Atende	0,30	Atende	3,40	9,63	Atende	0,35	Atende
Rua João Nunes Dourado	Local	V4	P4	8/2/22	0,75	8,22	Atende	0,09	Não Atende	V4	1,08	12,49	Atende	0,09	Não Atende	-	-	-	-	-
Av. Dep. Hidevaldo Boa Sorte	Coletora	V3	P3	3/2/22	-	-	-	-	-	V4	-	17,21	Atende	-	Não Atende	-	-	-	-	-
Rua Pereira Donato	Local	V4	P4	7/2/22	7,40	31,29	Atende	0,24	Atende	V2	5,61	25,97	Atende	0,22	Atende	3,80	8,93	Atende	0,43	Atende
Rua Beija Flor	Local	V4	P4	7/2/22	0,59	11,22	Atende	0,05	Não Atende	V3	0,46	18,91	Atende	0,02	Não Atende	0,07	5,63	Atende	0,01	Não Atende
Rua Floriano Peixoto	Local	V4	P4	3/2/22	6,12	26,64	Atende	0,23	Atende	V4	11,12	54,18	Atende	0,21	Atende	11,00	25,47	Atende	0,43	Atende
Rua Deodoro da Fonseca	Local	V4	P4	3/2/22	1,99	15,26	Atende	0,13	Não Atende	V4	3,38	22,56	Atende	0,15	Não Atende	0,75	9,97	Atende	0,08	Não Atende
Av. Juscelino Kubitschek	Coletora	V3	P3	8/2/22	-	-	-	-	-	V4	5,74	28,39	Atende	0,20	Atende	0,50	9,56	Atende	0,05	Não Atende
Rua Ary Pedro	Local	V4	P4	7/2/22	3,44	40,47	Atende	0,08	Não Atende	V3	4,50	40,97	Atende	0,11	Não Atende	3,48	15,26	Atende	0,23	Atende
Travessa Acelino Andrade	Local	V4	P4	7/2/22	0,70	3,45	Atende	0,20	Atende	V3	0,71	5,18	Não Atende	0,14	Não Atende	0,99	4,11	Atende	0,24	Atende
Rua Acelino Andrade	Local	V4	P4	7/2/22	0,13	9,57	Atende	0,01	Não Atende	V4	0,38	18,38	Atende	0,02	Não Atende	0,50	13,53	Atende	0,04	Não Atende
Av. Candéal	Coletora	V3	P3	3/2/22	0,07	3,25	Não Atende	0,02	Não Atende	V4	1,27	9,20	Não Atende	0,14	Não Atende	0,12	3,66	Não Atende	0,03	Não Atende
Rua Dom Pedro II	Local	V4	P4	3/2/22	0,10	7,07	Atende	0,01	Não Atende	V4	0,04	10,08	Atende	-	Não Atende	0,01	6,50	Atende	-	Não Atende
Av. Pref. José Neves Teixeira	Arterial	V2	P2	8/2/22	2,80	16,44	Atende	0,17	Não Atende	V4	3,42	42,73	Atende	0,08	Não Atende	4,80	15,99	Atende	0,30	Atende
Av. Pref. José Neves Teixeira	Arterial	V2	P2	3/2/22	0,55	3,76	Não Atende	0,15	Não Atende	V4	0,80	3,32	Não Atende	0,24	Não Atende	0,85	2,37	Não Atende	0,36	Atende
Av. Vanessa Cardoso	Coletora	V3	P3	7/2/22	-	-	-	-	-	V3	1,50	19,57	Atende	0,08	Não Atende	2,80	12,18	Atende	0,23	Atende
Av. Sandoval Moraes	Coletora	V3	P3	7/2/22	6,40	25,11	Atende	0,25	Atende	V4	7,13	17,57	Atende	0,41	Atende	6,80	12,48	Atende	0,54	Atende

Guanambi

					Calçada do ponto						Via					Calçada oposta				
Endereço	Hierarquia Viária	Via	Calçada	Data	Emín	Emed	NBR	U	NBR	Via	Emín	Emed	Emed (NBR)	U	U (NBR)	Emín	Emed	NBR	U	NBR
Av. Sandoval Morais	Coletora	V3	P3	7/2/22	6,40	27,27	Atende	0,23	Atende	V4	4,49	28,55	Atende	0,16	Não Atende	2,40	12,55	Atende	0,19	Não Atende
Parque da Cidade	Local	V4	P4	3/2/22	0,30	28,01	Atende	0,01	Não Atende	V4	0,10	18,82	Atende	0,01	Não Atende	3,00	6,98	Atende	0,43	Atende
Av. Pref. José Neves Teixeira	Arterial	V2	P2	9/2/22	1,40	20,60	Atende	0,07	Não Atende	V3	8,09	30,20	Atende	0,27	Não Atende	20,00	24,38	Atende	0,82	Atende
Av. Vanessa Cardoso	Coletora	V3	P3	1/7/20	1,20	29,93	Atende	0,04	Não Atende	V4	1,52	26,74	Atende	0,06	Não Atende	3,10	19,30	Atende	0,16	Não Atende
Av. Nilo Coelho	Arterial	V2	P2	8/2/22	3,30	26,33	Atende	0,13	Não Atende	V4	3,30	42,28	Atende	0,08	Não Atende	-	-	-	-	-
Av. Nilo Coelho	Arterial	V2	P2	8/2/22	17,12	54,91	Atende	0,31	Atende	V4	8,86	53,04	Atende	0,17	Não Atende	14,40	33,92	Atende	0,42	Atende

Caculé																				
					Calçada do ponto						Via					Calçada oposta				
Endereço	Hierarquia Viária	Via	Calçada	Data	Emin	Emed	NBR	U	NBR	Via	Emin	Emed	Emed (NBR)	U	U (NBR)	Emin	Emed	NBR	U	NBR
Av. Copacabana	Arterial	V2	P2	10/2/22	0,50	22,41	Atende	0,02	Não Atende	V3	11,93	42,57	Atende	0,28	Não Atende	6,40	12,58	Atende	0,51	Atende
N/I	Local	V4	P4	10/2/22	0,90	5,37	Atende	0,17	Não Atende	V3	0,77	4,22	Não Atende	0,18	Não Atende	0,40	1,14	Não Atende	0,35	Atende
Rua Joaquim Antonio da Silva	Coletora	V3	P3	10/2/22	2,10	7,10	Atende	0,30	Atende	V4	2,24	7,16	Não Atende	0,31	Atende	1,70	3,74	Não Atende	0,45	Atende
Rua Sisínio Viana	Local	V4	P4	10/2/22	1,10	5,83	Atende	0,19	Não Atende	V4	2,27	7,75	Não Atende	0,29	Atende	1,70	4,64	Atende	0,37	Atende
Rua do Cemitério	Local	V4	P4	10/2/22	0,60	6,37	Atende	0,09	Não Atende	V4	0,70	3,05	Não Atende	0,23	Atende	0,40	1,93	Não Atende	0,21	Atende
Rua Ranulfo Costa	Local	V4	P4	10/2/22	-	-	-	-	-	V4	1,04	1,38	Não Atende	0,75	Atende	-	-	-	-	-
Rua Ranulfo Costa	Local	V4	P4	10/2/22	0,92	9,39	Atende	0,10	Não Atende	V4	1,07	4,80	Não Atende	0,22	Atende	0,70	2,63	Não Atende	0,27	Atende
Rua Eleotério Tavares	Local	V4	P4	10/2/22	2,25	15,96	Atende	0,14	Não Atende	V4	1,72	11,31	Atende	0,15	Não Atende	1,45	3,59	Atende	0,40	Atende
Rua Antonio Coutinho	Local	V4	P4	10/2/22	0,63	4,19	Atende	0,15	Não Atende	V3	0,60	5,23	Não Atende	0,11	Não Atende	0,30	3,17	Atende	0,09	Não Atende
Av. Artur Castilho	Coletora	V3	P3	10/2/22	1,15	5,23	Atende	0,22	Atende	V4	1,40	7,64	Não Atende	0,18	Não Atende	1,40	5,46	Atende	0,26	Atende
Rua Dr. Antonio Muniz	Local	V4	P4	10/2/22	2,50	16,51	Atende	0,15	Não Atende	V4	2,59	11,48	Atende	0,23	Atende	1,60	3,63	Atende	0,44	Atende
Rua Treze de Maio	Local	V4	P4	10/2/22	-	-	-	-	-	V4	1,75	6,41	Não Atende	0,27	Atende	-	-	-	-	-
Rua Dr. Crescencio Silveira	Local	V4	P4	10/2/22	0,40	5,71	Atende	0,07	Não Atende	V3	0,50	6,49	Não Atende	0,08	Não Atende	0,40	4,39	Atende	0,09	Não Atende
Rua Cmte. Cortes entre R Santos Dumr	Local	V4	P4	15/2/22	1,25	7,88	Atende	0,16	Não Atende	V4	1,07	7,94	Não Atende	0,14	Não Atende	0,29	3,18	Atende	0,09	Não Atende
Rua Castro Alves	Local	V4	P4	15/2/22	1,35	7,48	Atende	0,18	Não Atende	V4	1,41	7,87	Não Atende	0,18	Não Atende	0,42	3,49	Atende	0,12	Não Atende
Rua Rodrigo Ferreira Neves	Coletora	V3	P3	15/2/22	0,10	2,87	Não Atende	0,03	Não Atende	V4	0,36	3,80	Não Atende	0,09	Não Atende	0,29	2,86	Não Atende	0,10	Não Atende
Rua S/N	Local	V4	P4	15/2/22	1,78	4,76	Atende	0,37	Atende	V4	2,28	7,38	Não Atende	0,31	Atende	1,48	3,92	Atende	0,38	Atende
Rua Rodrigo Ferreira Neves	Coletora	V3	P3	15/2/22	0,13	4,67	Não Atende	0,03	Não Atende	V4	0,14	4,94	Não Atende	0,03	Não Atende	-	-	-	-	-
R S/N	Local	V4	P4	15/2/22	-	-	-	-	-	V4	0,23	3,78	Não Atende	0,06	Não Atende	-	-	-	-	-
Rua Clementina de Jesus	Local	V4	P4	15/2/22	0,21	2,36	Não Atende	0,09	Não Atende	V4	0,25	1,67	Não Atende	0,15	Não Atende	0,22	0,76	Não Atende	0,29	Atende
Rua Padre Cícero	Local	V4	P4	15/2/22	0,76	4,41	Atende	0,17	Não Atende	V4	0,88	5,36	Não Atende	0,16	Não Atende	1,32	3,70	Atende	0,36	Atende
Travessa Padre Cícero	Local	V4	P4	15/2/22	0,41	5,03	Atende	0,08	Não Atende	V4	0,12	6,65	Não Atende	0,02	Não Atende	0,73	5,91	Atende	0,12	Não Atende
Rua Artur Neves	Local	V4	P4	15/2/22	2,06	6,41	Atende	0,32	Atende	V4	2,30	7,28	Não Atende	0,32	Atende	2,33	4,36	Atende	0,53	Atende
Rua Arlindo A. Pereira	Local	V4	P4	15/2/22	0,53	3,78	Atende	0,14	Não Atende	V4	0,54	4,14	Não Atende	0,13	Não Atende	0,85	2,54	Não Atende	0,34	Atende
Rua S/N atrás da Igreja São João Batista	Local	V4	P4	15/2/22	0,45	3,58	Atende	0,13	Não Atende	V4	0,47	3,77	Não Atende	0,12	Não Atende	0,43	2,66	Não Atende	0,16	Não Atende

Lagoa Real

					Calçada do ponto						Via					Calçada oposta				
Endereço	Hierarquia Viária	Via	Calçada	Data	Emín	Emed	NBR	U	NBR	Via	Emín	Emed	Emed (NBR)	U	U (NBR)	Emín	Emed	NBR	U	NBR
BA-940	Arterial	V2	P2	11/2/22	1,45	15,08	Atende	0,10	Não Atende	V3	5,56	12,45	Não Atende	0,45	Atende	-	2,22	Não Atende	-	Não Atende
N/I	Local	V5	P4	11/2/22	-	-	-	-	-	V3	0,64	11,17	Atende	0,06	Não Atende	-	-	-	-	-
Av. Real	Arterial	V2	P2	11/2/22	0,70	31,31	Atende	0,02	Não Atende	V4	20,52	74,56	Atende	0,28	Não Atende	0,40	18,02	Atende	0,02	Não Atende
Rua Monsenhor Bastos	Coletora	V3	P3	11/2/22	7,25	52,60	Atende	0,14	Não Atende	V4	6,92	55,22	Atende	0,13	Não Atende	4,48	21,41	Atende	0,21	Atende
Tv. Ana Vitória	Local	V5	P4	11/2/22	2,87	26,43	Atende	0,11	Não Atende	V4	2,73	18,65	Atende	0,15	Não Atende	2,70	7,04	Atende	0,38	Atende
Tv. Zé Pinto	Local	V5	P4	11/2/22	0,29	3,16	Atende	0,09	Não Atende	V4	0,29	3,73	Não Atende	0,08	Não Atende	0,66	3,79	Atende	0,17	Não Atende
Rua Zezé Cardoso	Local	V5	P4	11/2/22	-	-	-	-	-	V4	1,76	7,61	Atende	0,23	Atende	-	-	-	-	-
Av. Real	Coletora	V3	P3	11/2/22	1,17	45,83	Atende	0,03	Não Atende	V4	1,30	49,85	Atende	0,03	Não Atende	11,20	26,04	Atende	0,43	Atende
Rua Dr. Osvaldo Rodrigues	Local	V4	P4	11/2/22	1,85	8,92	Atende	0,21	Atende	V3	1,99	8,13	Não Atende	0,24	Atende	1,70	3,51	Atende	0,48	Atende
Rua Belo Duca	Local	V4	P4	11/2/22	6,20	19,13	Atende	0,32	Atende	V4	6,70	30,87	Atende	0,22	Atende	14,70	24,71	Atende	0,59	Atende
Av. 14 de Maio	Coletora	V3	P3	11/2/22	10,45	29,15	Atende	0,36	Atende	V4	6,62	34,76	Atende	0,19	Não Atende	0,80	16,92	Atende	0,05	Não Atende
Rua Nelson Mariano	Local	V5	P4	11/2/22	0,90	9,69	Atende	0,09	Não Atende	V4	5,67	15,11	Atende	0,38	Atende	3,40	12,53	Atende	0,27	Atende
Rua Dois de Julho	Local	V5	P4	11/2/22	0,75	7,15	Atende	0,10	Não Atende	V3	0,83	6,70	Atende	0,12	Não Atende	0,90	3,04	Atende	0,30	Atende
Av. Santa Maria	Local	V5	P4	11/2/22	2,30	11,69	Atende	0,20	Não Atende	V4	1,75	8,42	Atende	0,21	Atende	1,20	3,31	Atende	0,36	Atende
Av. 14 de Maio	Coletora	V3	P3	11/2/22	3,20	30,07	Atende	0,11	Não Atende	V4	2,77	43,67	Atende	0,06	Não Atende	2,30	19,51	Atende	0,12	Não Atende
Rua Luiz Pereira de Aguiar	Local	V5	P4	11/2/22	9,80	31,55	Atende	0,31	Atende	V4	12,26	51,01	Atende	0,24	Atende	8,40	22,81	Atende	0,37	Atende
Rua Sr. do Bonfim	Local	V5	P4	11/2/22	0,50	4,08	Atende	0,12	Não Atende	V4	0,66	4,58	Não Atende	0,14	Não Atende	-	1,15	Não Atende	-	Não Atende
Rua São João Batista VI	Local	V5	P4	11/2/22	0,20	4,04	Atende	0,05	Não Atende	V4	0,20	3,94	Não Atende	0,05	Não Atende	0,10	2,58	Não Atende	0,04	Não Atende
Av. João Batista Teixeira	Local	V5	P4	11/2/22	0,20	38,40	Atende	0,01	Não Atende	V4	1,84	36,17	Atende	0,05	Não Atende	0,30	5,69	Atende	0,05	Não Atende
Av. Parque do Vaqueiro	Coletora	V4	P3	11/2/22	3,80	13,29	Atende	0,29	Atende	V4	4,50	11,14	Atende	0,40	Atende	3,20	7,09	Atende	0,45	Atende
Av. Parque do Vaqueiro	Coletora	V3	P3	11/2/22	0,30	11,77	Atende	0,03	Não Atende	V4	0,33	12,50	Não Atende	0,03	Não Atende	-	-	-	-	-
N/I	Local	V5	P4	11/2/22	0,30	3,62	Atende	0,08	Não Atende	V4	0,41	3,78	Não Atende	0,11	Não Atende	0,50	2,70	Não Atende	0,19	Não Atende
Rua Dois de Julho	Local	V5	P4	11/2/22	0,60	7,94	Atende	0,08	Não Atende	V4	0,61	8,46	Atende	0,07	Não Atende	0,60	5,91	Atende	0,10	Não Atende

ANEXO 3–RESULTADOS DOS LEVANTAMENTOS–GRUPO_2

ANEXO 3 – RESULTADOS DOS LEVANTAMENTOS – GRUPO 2

Sebastião Laranjeiras

Endereço	Data	Classes de Iluminação das Vias	Classes de Iluminação das Vias de Pedestres	Distância entre postes			Aderência ao Cadastro				Via			Altura de Montagem (m)				Projeção dos braços (m)			
				AB	BC	CD	Potência da Lâmpada (Campo)	Potência da Lâmpada (Cadastro)	Tipo (Campo)	Tipo (Cadastro)	Largura da Calçada do Ponto	Largura da Via	Largura da Calçada Oposta	A	B	C	D	A	B	C	D
Rua Paulo Diamantino	05/02/2022	V3	P3	40,80	33,70	-	140	140	VM	VM	1,80	7,80	1,90	6,30	6,30	6,30	-	1,00	1,00	1,00	-
Av. Santa Cruz	05/02/2022	V3	P3	35,00	-	-	140	140	VM	VM	2,40	4,80	2,00	6,50	6,80	-	-	1,00	1,00	-	-
BA-263	01/02/2022	V3	P3	24,60	-	-	150	280	LD	VS	3,50	7,00	-	8,15	8,15	-	--	2,50	2,50	-	-
Rua João Roberto Cotrim	05/02/2022	V5	P4	38,50	20,20	24,40	140	140	VM	VM	-	8,70	-	7,00	7,00	6,00	5,80	1,00	1,00	1,00	1,00
Av. Sete de Setembro	05/02/2022	V5	P4	65,90	-	-	140	140	VM	VM	-	7,00	-	7,60	8,55	-	-	2,50	2,50	-	-
Rua das Oliveiras	01/02/2022	V5	P4	35,20	35,90	32,70	140	140	VM	VM	2,50	7,00	2,70	5,10	6,20	6,30	5,50	0,90	1,00	1,00	1,00
Rua das Oliveiras	01/02/2022	V5	P4	35,20	35,90	32,70	140	140	VM	VM	2,50	7,00	2,70	5,10	6,20	6,30	5,50	0,90	1,00	1,00	1,00
Rua Arlindo Pereira dos Santos	05/02/2022	V5	P4	38,70	-	-	140	140	VM	VM	3,00	6,00	-	6,00	6,00	-	-	1,00	1,00	-	-
Rua Dois de Maio	01/02/2022	V4	P4	44,30	43,00	47,20	100	140	VS	VM	3,00	6,70	1,40	6,50	7,90	8,20	8,30	1,00	2,40	2,40	2,40
Rua Antonio Francisco Dias	05/02/2022	V5	P4	40,50	-	-	140	140	VM	VM	3,50	7,00	1,50	6,70	6,50	-	-	1,00	1,00	-	-
Rua do Livramento	01/02/2022	V4	P4	32,10	38,80	39,70	140	140	VM	VM	2,40	5,90	2,30	6,80	5,80	6,80	7,00	1,00	0,80	0,80	1,00
Rua Olímpio Monteiro Magalhães	05/02/2022	V5	P4	38,00	-	-	150	84	VS	VS	3,00	6,00	-	6,45	6,20	-	-	1,00	1,00	-	-
Av. Duque de Caxias	01/02/2022	V5	P4	38,50	39,20	40,00	140	140	VM	VM	1,20	6,20	1,90	6,40	6,40	6,50	6,30	1,40	1,00	1,00	1,10
Av. Sebastião Rocha	05/02/2022	V5	P4	36,00	-	-	140	140	VM	VM	4,00	8,00	2,30	7,70	7,70	-	-	1,00	1,00	-	-
Av. Livramento	05/02/2022	V5	P4	41,00	-	-	140	140	VM	VM	3,00	6,00	3,30	6,00	6,00	-	-	1,00	1,00	-	-
Rua Geraldo Carvalho Patel	05/02/2022	V5	P4	36,20	34,40	40,00	140	140	VM	VM	1,50	5,80	1,50	6,50	6,07	6,40	7,00	1,00	1,00	1,00	1,00
Rua Dois de Maio	05/02/2022	V4	P4	40,00	-	-	140	140	VM	VM	3,50	7,00	2,20	6,70	6,90	-	-	1,00	1,00	-	-
Rua José Cândido de Macedo	05/02/2022	V5	P4	40,00	-	-	140	140	VM	VM	2,00	6,00	1,30	5,75	6,70	-	-	1,00	1,00	-	-
Rua Ver. Carvalho Pinto	05/02/2022	V5	P4	31,70	36,80	49,30	140	140	VM	VM	-	3,00	-	6,60	6,60	6,60	6,60	1,00	1,00	1,00	1,00
Rua João Carlos Leão	05/02/2022	V5	P4	39,00	-	-	140	140	VM	VM	3,00	6,00	1,30	6,20	6,60	-	-	1,00	1,00	-	-
Rua Laudilino Rodrigues Monção	01/02/2022	V5	P4	28,70	60,00	-	100	140	VS	VM	1,40	5,80	1,10	6,60	6,40	6,10	-	1,00	1,10	1,15	-
Av. Tiradentes	05/02/2022	V5	P4	35,00	-	-	140	140	VM	VM	3,50	7,00	1,70	8,10	8,10	-	-	3,30	3,30	-	-
Rua Olímpio Monteiro Magalhães	01/02/2022	V5	P4	33,30	36,00	30,90	140	140	VM	VM	1,40	5,60	1,10	6,50	5,90	6,90	6,90	1,40	1,90	1,00	1,30
Rua Olímpio Monteiro Magalhães	01/02/2022	V5	P4	33,30	36,00	30,50	140	140	VM	VM	1,40	5,60	1,10	6,50	5,90	6,50	6,50	1,40	1,50	1,00	1,30
Av. Sete de Setembro	05/02/2022	V2	P2	28,00	-	-	140	140	VM	VM	3,50	7,00	-	7,80	8,30	-	-	1,50	1,50	-	-
NI/	05/02/2022	V5	P4	39,50	39,30	-	140	140	VM	VM	1,30	5,60	1,50	6,50	6,50	6,50	-	1,00	1,00	1,00	-
Av. Sete de Setembro	05/02/2022	V2	P2	28,00	-	-	250	140	VS	VM	3,50	7,00	2,00	7,90	7,70	-	-	2,00	2,00	-	-
Av. Sete de Setembro	05/02/2022	V2	P2	34,00	-	-	140	140	VM	VM	2,90	8,70	1,70	6,40	7,30	-	-	1,00	3,30	-	-
Rua Dom Pedro I	05/02/2022	V5	P4	32,00	-	-	140	140	VM	VM	3,47	10,40	1,20	6,70	8,70	-	-	1,00	3,30	-	-
Travessa Santa Rita	05/02/2022	V5	P4	27,00	-	-	140	140	VM	VM	3,35	6,70	1,60	9,80	6,40	-	-	1,00	0,90	-	-
NI/	01/02/2022	V5	P4	34,00	-	-	140	140	VM	VM	-	6,80	2,50	6,40	6,50	-	-	1,50	1,50	-	-

Iuiu																					
Endereço	Data	Classes de Iluminação das Vias	Classes de Iluminação das Vias de Pedestres	Distância entre postes			Aderência ao Cadastro				Via			Altura de Montagem (m)				Projeção dos braços (m)			
				AB	BC	CD	Potência da Lâmpada (Campo)	Potência da Lâmpada (Cadastro)	Tipo (Campo)	Tipo (Cadastro)	Largura da Calçada do Ponto	Largura da Via	Largura da Calçada Oposta	A	B	C	D	A	B	C	D
BA-160	02/02/2022	V3	P3	38,80	-	-	150	150	LD	LD	-	7,50	-	8,20	8,20	-	-	2,80	2,80	-	-
Av. Etelvino Santana	02/02/2022	V3	P3	42,70	-	-	400	400	VS	VS	2,50	7,50	2,50	8,15	7,90	8,50	-	2,50	2,50	2,50	-
N/I	02/02/2022	V5	P4	31,50	-	-	125	125	VM	VM	-	6,00	-	6,90	6,90	-	-	1,30	1,00	-	-
Rua Dalva Feltosa	01/02/2020	V5	P4	40,00	-	-	125	125	VM	VM	0,90	7,00	1,40	7,30	7,30	-	-	1,00	1,50	-	-
Estrada para Rio Verde Pequeno	02/02/2022	V5	P4	44,00	37,00	-	125	125	VM	VM	2,60	7,60	2,60	6,70	6,50	6,70	-	1,00	1,00	1,00	-
Rua Agenor Pereira	02/02/2022	V5	P4	60,40	-	-	125	125	VM	VM	1,60	7,00	1,20	7,00	7,50	-	-	1,00	1,50	-	-
Av. Vicente Cristo Lopes	02/02/2022	V2	P2	23,40	38,20	39,10	150	150	LD	LD	1,00	8,00	1,00	10,00	9,80	9,70	9,20	2,80	2,80	2,80	2,80
Av. Vicente Cristo Lopes	02/02/2022	V3	P3	43,80	-	-	150	150	LD	LD	2,70	5,80	2,00	9,50	9,80	-	-	2,80	2,80	-	-
Av. Vicente Cristo Lopes	02/02/2022	V2	P2	39,30	41,40	42,10	150	150	LD	LD	1,00	8,00	1,00	8,40	9,50	10,30	10,00	2,80	2,80	2,80	2,80
Av. Vicente Cristo Lopes	02/02/2022	V3	P3	30,00	-	-	150	150	LD	LD	2,70	6,00	-	9,75	9,80	-	-	2,00	2,00	-	-
Rua João Fernandes	02/02/2022	V5	P4	29,90	33,90	41,10	125	125	VM	VM	1,30	6,80	2,40	7,20	7,20	7,50	7,30	1,00	1,00	1,00	1,00
Rua Eduardo Queiroz	02/02/2022	V5	P4	34,00	-	-	125	125	VM	VM	1,70	6,70	1,40	5,50	5,50	-	-	1,00	1,50	-	-
Rua Taurício Caldeira	02/02/2022	V5	P4	40,00	39,10	-	125	125	VM	VM	1,40	7,30	-	6,20	6,90	6,20	-	1,00	1,00	1,00	-
Travessa Robson Cairés	02/02/2022	V5	P4	31,00	-	-	125	125	VM	VM	1,70	7,70	5,40	6,00	5,90	-	-	1,00	1,00	-	-
Rua Eujácio de Brito Vilas Boas	02/02/2022	V5	P4	41,30	70,00	53,50	125	125	VM	VM	1,70	6,90	1,10	5,70	5,70	6,70	6,30	1,00	1,00	1,00	1,00
Rua Augusto Rocha	02/02/2022	V5	P4	31,00	-	-	125	125	VM	VM	1,40	6,10	1,40	6,30	6,70	-	-	1,00	1,00	-	-
Rua Alvorada	02/02/2022	V5	P4	40,00	-	-	125	125	VM	VM	1,30	6,50	1,20	5,50	5,80	-	-	1,00	1,30	-	-
Av. Oscar Teixeira	02/02/2022	V3	P3	27,50	-	-	250	250	VS	VS	1,60	4,90	-	8,90	8,90	-	-	2,80	2,80	-	-
Estrada para Pindoramas	02/02/2022	V3	P3	36,50	34,70	33,60	125	125	VM	VM	1,40	6,90	1,00	6,80	7,10	6,90	6,10	1,00	1,00	1,00	1,00
Av. Oscar Teixeira	02/02/2022	V3	P3	27,50	-	-	250	250	VS	VS	-	5,00	-	8,90	8,90	-	-	2,60	2,80	-	-
Rua José Ferreira Filho	02/02/2022	V5	P4	43,30	32,70	40,20	125	125	VM	VM	1,80	9,90	1,40	6,60	7,30	6,70	6,80	1,00	0,90	1,00	1,10
Rua Agenor Pereira	02/02/2022	V5	P4	33,20	-	-	125	125	VM	VM	1,90	6,60	1,00	6,00	6,60	-	-	1,00	1,00	-	-
Av. Vicente Cristo Lopes	02/02/2022	V2	P2	27,60	27,90	-	150	150	LD	LD	1,70	12,30	3,90	8,30	8,40	8,20	-	2,50	2,50	2,50	-
Av. Tiradentes	02/02/2022	V3	P3	25,00	-	-	400	400	ME	ME	0,70	9,90	-	7,30	8,20	-	-	1,50	1,70	-	-
Av. Vicente Cristo Lopes	02/02/2022	V2	P2	28,20	25,20	20,70	250	250	VS	VS	1,70	12,30	3,90	8,40	8,30	8,00	8,20	2,50	2,60	2,50	2,50
Rua Zilda Malheiros	02/02/2022	V4	P4	30,70	-	-	125	125	VM	VM	1,40	10,60	1,90	7,20	6,60	-	-	1,00	1,00	-	-
Rua Miguel Antunes	02/02/2022	V4	P4	41,60	40,00	40,40	125	125	VM	VM	1,70	6,90	1,70	6,70	6,70	7,00	6,70	1,00	1,00	1,00	1,00
Tv. Aberlado Azevedo	02/02/2022	V5	P4	31,60	-	-	400	400	ME	ME	1,10	8,00	0,80	7,30	7,45	-	-	1,00	1,00	-	-
Rua Marcelina Dias	02/02/2022	V4	P4	34,50	34,50	37,80	125	125	VM	VM	1,80	7,40	1,90	6,20	6,70	6,10	5,90	1,00	1,00	0,90	1,10
Rua Joaquim Severo	02/02/2022	V5	P4	39,40	-	-	400	400	ME	ME	1,30	7,80	-	7,00	6,80	-	-	1,00	1,00	-	-
Rua José da Conceição Bezerra	02/02/2022	V5	P4	32,90	39,09	35,80	125	125	VM	VM	1,30	6,70	2,00	6,20	6,90	6,20	5,90	1,00	1,00	1,00	1,00
Rua Gilvan Ribeiro	02/02/2022	V5	P4	22,60	-	-	150	400	LD	ME	1,00	8,90	1,20	6,60	7,00	-	-	0,80	1,00	-	-
Rua da Conceição Bezerra	02/02/2022	V5	P4	25,30	24,80	38,70	125	125	VM	VM	1,00	5,00	0,60	6,74	6,94	7,10	6,40	1,00	1,00	1,00	1,00
Rua Joaquim Severo	02/02/2022	V5	P4	34,00	-	-	150	400	LD	ME	1,00	9,80	2,50	7,20	6,76	-	-	1,00	1,00	-	-
Rua Vicente Cristo Lopes	02/02/2022	V2	P2	35,70	-	-	125	125	VM	VM	1,80	8,00	0,80	6,00	6,60	-	-	1,00	1,00	-	-
Estrada Para Pindoramas	02/02/2022	V3	P3	36,10	-	-	100	400	ME	ME	0,70	7,30	2,10	7,10	6,80	-	-	1,00	1,00	-	-
N/I	02/02/2022	V5	P4	41,20	-	-	100	400	ME	ME	1,40	6,90	1,50	7,00	7,00	-	-	1,00	1,00	-	-
Rua Rui Barbosa	02/02/2022	V5	P4	45,50	-	-	400	400	ME	ME	1,40	7,40	2,90	6,50	6,30	-	-	1,00	1,00	-	-
Estrada pra Fazenda Itaúna	02/02/2022	V5	P4	44,50	-	-	125	125	VM	VM	2,30	6,20	2,30	7,00	7,00	-	-	1,00	1,00	-	-
Av. Etelvino Santana	02/02/2022	V3	P3	35,70	-	-	400	400	VS	ME	1,50	7,50	1,50	8,40	8,60	-	-	2,50	2,50	-	-
Av. Etelvino Santana	02/02/2022	V3	P3	39,50	-	-	250	400	VS	ME	1,80	9,40	2,50	7,30	7,40	-	-	2,50	2,50	-	-
Rua Vila Nova	02/02/2022	V5	P4	40,20	24,80	-	125	125	VM	VM	1,50	6,70	1,10	6,40	6,20	7,20	-	1,00	0,90	1,10	-
Av. Tiradentes	02/02/2022	V3	P3	22,50	36,70	29,80	250	250	VS	VS	-	6,70	1,90	9,20	8,30	8,00	8,60	1,00	1,00	1,00	1,00
Av. Tiradentes	02/02/2022	V3	P3	24,00	33,00	31,00	125	125	VM	VM	-	5,50	1,50	9,00	8,70	7,80	8,70	2,80	2,50	2,50	2,50

Guanambi																					
Endereço	Data	Classes de Iluminação das Vias	Classes de Iluminação das Vias de Pedestres	Distância entre postes			Aderência ao Cadastro				Via			Altura de Montagem (m)				Projeção dos braços (m)			
				AB	BC	CD	Potência da Lâmpada (Campo)	Potência da Lâmpada (Cadastro)	Tipo (Campo)	Tipo (Cadastro)	Largura da Calçada do Ponto	Largura da Via	Largura da Calçada Oposta	A	B	C	D	A	B	C	D
Rua Gercino Coelho	03/02/2022	V2	P2	45,30	43,30	31,90	250	250	VS	VS	3,00	7,00	1,20	8,00	7,30	7,90	7,90	2,00	2,00	1,80	2,00
Rua Gercino Coelho	03/02/2022	V2	P2	31,50	30,80	32,50	250	250	VS	VS	3,10	6,90	1,20	7,50	7,50	6,50	6,50	2,00	2,00	1,77	1,77
Rua Maria Joaquina	03/02/2022	V3	P3	28,00	38,90	34,60	250	250	VS	VS	-	7,00	3,00	7,50	7,70	7,70	7,70	2,70	2,80	1,50	2,80
Rua Donório Cotrim	03/02/2022	V4	P4	32,90	31,40	30,60	250	250	VS	VS	2,80	7,00	2,00	7,00	8,60	7,60	7,50	2,00	2,80	2,80	1,50
N/I	03/02/2022	V4	P4	29,90	18,50	30,30	70	70	VS	VS	-	6,60	-	5,80	6,30	6,20	6,30	1,00	1,00	1,00	1,00
N/I	03/02/2022	V4	P4	35,90	41,60	38,80	70	70	VS	VS	2,00	6,00	2,20	6,80	6,60	6,50	6,80	1,00	1,00	1,00	0,90
N/I	03/02/2022	V4	P4	28,00	39,80	28,00	70	70	VS	VS	2,70	7,00	1,90	6,90	7,20	6,70	6,50	1,00	1,00	1,00	1,00
Rua José Vieira Costa	03/02/2022	V4	P4	39,20	27,40	36,20	250	250	VS	VS	2,00	6,90	3,10	7,40	6,70	7,50	6,80	1,77	1,77	1,77	1,77
Rua Guaranesia	03/02/2022	V4	P4	34,30	35,50	22,80	250	250	VS	VS	2,10	6,90	2,50	7,10	7,40	7,50	7,60	1,77	1,77	1,77	1,77
N/I	03/02/2022	V4	P4	37,70	30,70	31,20	250	250	VS	VS	1,80	6,00	1,70	7,00	7,00	6,40	6,40	1,77	1,77	1,77	1,77
Entrada da Cidade	03/02/2022	V4	P4	29,50	35,00	34,00	70	70	VS	VS	11,50	5,60	-	8,10	8,50	8,50	8,20	2,50	2,50	2,50	2,50
Av. Depp Hidelvado Boa Sorte	07/02/2022	V2	P2	36,00	36,00	34,40	250	250	VS	VS	-	6,90	-	8,00	7,80	7,50	8,00	1,77	1,77	1,77	2,50
Av. Depp Hidelvado Boa Sorte	07/02/2022	V2	P2	37,50	35,60	34,00	250	250	VS	VS	-	7,10	-	8,00	7,00	7,00	7,00	1,77	1,77	1,77	1,77
Rua Dezoito	07/02/2022	V4	P4	65,30	40,20	30,60	70	70	VS	VS	1,80	8,40	1,80	7,50	7,20	7,00	6,60	1,00	1,00	1,00	1,00
Av. Governador Waldir Pires	07/02/2022	V2	P2	29,20	42,00	33,00	400	400	VS	VS	5,80	6,90	7,20	7,60	7,15	7,40	7,40	2,50	2,50	2,50	2,50
Av. Governador Waldir Pires	07/02/2022	V2	P2	31,20	31,60	32,20	400	400	VS	VS	5,00	7,00	7,20	7,60	6,90	7,10	7,30	2,50	2,50	2,50	2,50
Pracinha Rua Santa Catarina	07/02/2022	V4	P4	25,10	28,40	29,00	400	400	VM	VM	-	6,00	-	13,00	13,00	13,00	13,00	0,50	0,50	0,50	0,50
Rua Otávio Mangabeira	08/02/2022	V4	P4	35,00	34,20	34,00	250	250	VM	VM	2,20	8,00	2,80	8,10	7,80	8,60	7,50	2,50	2,50	2,50	2,50
Rua Djalma Mota	08/02/2022	V4	P4	51,30	29,70	22,40	250	250	VS	VS	2,40	6,80	2,40	7,60	9,20	6,40	7,40	1,77	2,50	1,77	1,77
Av. Mato Grosso do Sul	08/02/2022	V3	P3	48,50	46,60	41,30	250	250	VS	VS	2,00	6,60	2,00	8,50	8,80	7,90	9,00	2,50	2,50	1,77	2,50
Av. Mato Grosso do Sul	08/02/2022	V3	P3	47,50	46,00	43,50	250	250	VS	VS	2,00	7,00	2,00	8,60	8,10	8,00	7,70	2,50	1,77	1,77	1,77
Rua Genésio Pau Darco	08/02/2022	V4	P4	27,00	24,50	30,00	250	250	VS	VS	2,00	7,00	2,80	8,80	8,70	8,60	8,60	2,50	2,50	2,50	2,50
Rua Genésio Pau Darco	08/02/2022	V4	P4	28,00	26,50	32,10	250	250	VS	VS	2,00	7,20	2,50	8,70	8,80	8,70	8,70	2,50	2,50	2,50	2,50
Rua Rio Grande do Sul	08/02/2022	V3	P3	40,40	39,30	36,80	250	250	VS	VS	1,90	7,00	2,70	7,90	7,60	6,40	7,50	1,77	1,77	1,77	1,77
Rua Rio Grande do Norte	08/02/2022	V4	P4	39,80	40,30	40,30	250	250	VS	VS	2,30	6,90	2,60	7,60	7,10	6,90	7,40	1,77	1,77	1,77	1,77
Rua D1	08/02/2022	V4	P4	41,00	40,00	38,00	70	70	VS	VS	1,30	6,20	0,90	6,80	6,80	7,00	69,00	1,00	1,00	1,00	1,00
Rua Gérson Badaró	08/02/2022	V4	P4	32,00	31,00	40,00	150	150	VS	VS	2,70	6,40	1,50	7,60	7,50	7,20	8,00	2,50	2,50	2,50	2,50
Rua Pernambuco	08/02/2022	V4	P4	36,90	33,40	20,10	250	250	VS	VS	1,80	5,80	2,20	7,94	8,10	8,00	7,70	1,77	1,77	1,77	1,77
Estrada Velha de Guanambi	08/02/2022	V4	P4	21,40	33,50	28,60	250	250	VS	VS	1,70	8,20	1,50	7,00	6,80	7,00	7,00	1,77	1,77	1,77	1,77
Rua Brejinho dos Ametistas	08/02/2022	V4	P4	31,00	42,00	36,00	70	70	VS	VS	1,50	6,00	1,30	8,00	7,00	7,20	8,00	2,50	1,00	1,00	2,50
Rua Padre Manoel da Nóbrega	08/02/2022	V4	P4	13,90	14,50	14,60	70	70	VM	VS	-	4,70	-	5,50	5,50	5,50	5,50	1,77	1,77	1,77	1,77
Rua Atilio Pereira de Oliveira	09/02/2022	V4	P4	29,80	29,00	31,90	250	250	VS	VS	-	7,80	-	7,90	7,30	7,60	7,50	2,50	2,50	2,50	2,50
Rua Atilio Pereira de Oliveira	09/02/2022	V4	P4	32,10	35,00	37,40	250	250	VS	VS	-	8,00	-	7,60	7,00	7,20	7,20	2,50	2,50	2,50	2,50
Rotatória Rua Camerino Pereira Costa	09/02/2022	V4	P4	11,00	28,00	10,00	250	250	VS	VS	-	8,10	16,30	8,40	7,60	7,60	9,00	2,50	2,50	2,50	2,50
Rua José Pereira Donato	09/02/2022	V4	P4	37,90	36,40	40,00	250	250	VS	VS	3,70	8,20	3,60	8,50	8,70	8,20	8,50	2,50	2,50	2,50	2,50
Rotatória Rua José Pereira Donato	09/02/2022	V4	P4	34,60	42,40	39,50	250	250	VS	VS	3,50	8,10	3,50	5,50	7,30	7,20	7,30	1,00	2,50	2,50	2,50
Av. Senador Nilo Coelho	09/02/2022	V4	P4	41,40	42,60	23,80	250	250	VS	VS	1,90	11,40	1,60	7,90	7,90	8,10	7,40	2,50	2,50	2,50	1,77
Rua Francisco Fernandes	09/02/2022	V3	P3	35,50	23,40	40,20	250	250	VS	VS	1,50	8,60	2,00	8,00	8,00	7,50	8,00	2,50	2,50	2,50	2,50
Travessa da Concórdia	09/02/2022	V4	P4	30,00	29,10	31,20	250	250	VS	VS	-	5,70	-	8,00	6,50	8,00	8,00	1,77	1,00	2,50	1,77
Rua 5	09/02/2022	V4	P4	65,00	41,00	45,50	250	250	VS	VS	2,40	7,00	2,30	7,50	7,50	7,30	7,50	1,77	1,77	1,77	1,77
Rua Oito	09/02/2022	V4	P4	26,00	37,00	32,30	250	250	VS	VS	2,50	7,00	3,00	7,50	7,55	8,20	7,50	1,77	1,77	1,77	1,77
N/I	09/02/2022	V4	P4	29,20	31,50	34,90	250	250	ME	ME	-	6,90	-	7,80	7,80	7,80	7,70	2,50	2,50	2,50	2,50
Rua Benjamin Constant	09/02/2022	V4	P4	39,80	40,70	42,00	250	250	VS	VS	2,50	6,90	2,30	7,50	8,90	8,40	8,50	2,50	2,50	2,50	2,50
Rua Lima Barreto	09/02/2022	V4	P4	41,00	30,80	30,00	250	250	VS	VS	2,20	6,70	2,00	7,50	7,80	7,50	7,90	1,75	1,75	1,75	2,50
Tv. Vicente de Paula	09/02/2022	V4	P4	31,00	31,00	33,50	250	250	VS	VS	2,00	6,50	2,00	7,10	9,30	7,90	9,50	1,77	2,50	2,50	2,50
Rua Dr. Humberto Nunes	09/02/2022	V2	P2	34,00	36,30	34,00	250	250	VS	VS	5,50	10,00	2,00	7,40	8,80	8,90	7,50	1,77	2,50	2,50	1,77
Rua Dr. Humberto Nunes	09/02/2022	V2	P2	34,50	36,00	34,20	250	250	VS	VS	2,00	10,00	5,30	8,40	8,30	8,90	8,40	2,50	2,50	2,50	2,50
Rua Rio de Janeiro	09/02/2022	V3	P3	38,20	39,40	40,10	400	400	VS	VS	1,80	8,50	2,20	8,00	8,00	7,20	8,00	2,50	2,50	2,50	2,50
Av. Pres. Castelo Branco	09/02/2022	V3	P3	40,10	39,70	40,10	250	250	VS	VS	2,10	7,80	1,70	7,20	8,00	8,00	7,80	2,50	2,50	2,50	2,50
Av. Santos Dumont	09/02/2022	V2	P2	40,10	39,50	41,50	400	400	VS	VS	3,20	10,20	3,00	8,20	8,40	8,20	8,40	2,50			

Guanambi																					
Endereço	Data	Classes de Iluminação das Vias	Classes de Iluminação das Vias de Pedestres	Distância entre postes			Aderência ao Cadastro				Via			Altura de Montagem (m)				Projeção dos braços (m)			
				AB	BC	CD	Potência da Lâmpada (Campo)	Potência da Lâmpada (Cadastro)	Tipo (Campo)	Tipo (Cadastro)	Largura da Calçada do Ponto	Largura da Via	Largura da Calçada Oposta	A	B	C	D	A	B	C	D
Av. Gov. Waldir Pires	07/02/2022	V2	P2	33,90			400	400	VS	VS	5,30	7,00	9,10	7,70	8,00			2,50	2,50		
Av. do Ipiranga	07/02/2022	V4	P4	34,50			250	250	VS	VS	3,30	6,80	2,80	8,50	8,50			2,50	2,50		
Rua Leocádia	07/02/2022	V4	P4	36,50			250	250	VS	VS	3,00	6,80	2,60	7,60	7,90			1,77	1,77		
Av. Manoel Nunes dos Santos	07/02/2022	V4	P4	22,00			70	70	VS	VS	-	3,80	-	8,00	8,10			1,00	1,00		
Rua Bahia	07/02/2022	V4	P4	20,00			70	70	VS	VS	2,60	6,90	2,20	7,20	7,00			1,77	1,00		
Rua Minas Gerais	07/02/2022	V4	P4	32,00			250	250	VS	VS	2,50	6,90	2,50	7,30	7,50			1,77	1,77		
Rua Sergipe	07/02/2022	V4	P4	40,30			70	70	VS	VS	1,90	6,10	2,20	6,80	7,00			1,00	1,00		
Av. Mato Grosso	07/02/2022	V4	P4	28,70			70	70	VS	VS	1,60	6,20	1,60	8,00	8,00			2,50	2,50		
Av. Deolinda Martins	07/02/2022	V3	P3	46,00			250	250	VS	VS	1,50	9,50	1,70	7,60	8,00			2,90	2,90		
Av. Joaquim Chaves	07/02/2022	V3	P3	41,00			250	250	VS	ME	-	10,00	-	8,40	8,00			2,50	2,50		
Av. Vanessa Cardoso	07/02/2022	V3	P3	52,00			250	250	VS	VS	2,00	7,00	2,50	7,80	7,60			1,77	1,77		
Av. Sandoval Moraes	07/02/2022	V3	P3	39,60			250	250	VS	VS	1,70	6,00	2,20	7,30	7,30			2,50	2,50		
Av. Sandoval Moraes	07/02/2022	V3	P3	39,60			250	250	VS	VS	1,80	6,00	2,60	7,70	8,30			2,50	2,50		
Rua Pereira Donato	07/02/2022	V4	P4	42,00			250	250	VS	VS	2,50	9,20	2,20	7,60	8,00			1,77	1,77		
Rua Beija Flor	07/02/2022	V4	P4	45,00			70	70	VS	VS	2,28	7,00	2,10	7,40	8,30			1,77	1,77		
Rua Ary Pedro	07/02/2022	V4	P4	38,00			150	150	VS	VS	1,40	6,50	1,90	7,70	7,60			1,77	1,77		
Travessa Acelino Andrade	07/02/2022	V4	P4	35,90			70	70	VS	VS	0,96	5,40	0,80	8,20	7,00			1,00	1,00		
Rua Acelino Andrade	07/02/2022	V4	P4	70,00			250	250	VS	VS	1,60	5,00	1,50	7,60	8,10			1,77	1,77		
Parque da Cidade	08/02/2022	V4	P4	38,00			150	400	LD	VS	-	4,90	-	4,00	4,00			0,50	0,50		
Av. Santos Dumont	08/02/2022	V2	P2	40,00			150	400	LD	VS	2,50	13,20	3,50	8,00	8,12			2,50	2,50		
Av. Pres. Castelo Branco	08/02/2022	V3	P3	40,00			250	250	VS	VS	2,50	13,00	4,60	7,86	8,42			2,50	2,50		
Av. Nilo Coelho	08/02/2022	V2	P2	30,00			400	400	VS	VS	-	8,80	-	8,90	8,35			2,50	2,50		
Rua B	08/02/2022	V4	P4	36,00			70	70	VS	VS	0,80	5,80	1,20	6,70	5,60			1,00	1,00		
Rua C	08/02/2022	V4	P4	36,00			70	70	VS	VS	0,80	5,70	1,10	6,10	6,40			1,00	1,00		
Rua Djalma Mota	08/02/2022	V4	P4	31,00			250	250	VS	VS	2,30	7,50	4,60	6,50	7,00			1,77	1,77		
Av. Um	08/02/2022	V4	P4	30,00			150	250	LD	ME	-	6,60	-	4,80	4,80			1,77	1,77		
Rua B	08/02/2022	V4	P4	43,50			70	70	VS	VS	2,60	7,00	2,50	6,50	7,00			1,00	1,00		
Rua Edgar Teixeira	08/02/2022	V4	P4	40,00			150	150	VS	VS	1,30	6,50	2,00	7,72	7,50			1,77	1,77		
Rua Dr. José Humberto Nunes	08/02/2022	V3	P3	28,00			250	250	VS	VS	2,40	7,90	1,60	7,30	7,70			1,77	1,77		
Av. Barão do Rio Branco	08/02/2022	V2	P2	30,00			250	250	VS	VS	2,30	11,40	1,70	8,70	8,40			2,50	2,50		
Rua Estóquio da Costa	08/02/2022	V4	P4	45,00			70	70	VS	VS	2,50	7,10	2,35	7,25	7,90			1,00	1,77		
Rua Domingos Antonio Teixeira	08/02/2022	V4	P4	32,00			250	250	VS	VS	3,50	7,00	3,60	8,60	8,10			2,50	2,50		
Av. Pref. José Neves Teixeira	08/02/2022	V2	P2	52,00			250	250	VS	VS	2,00	14,00	2,00	8,50	8,50			1,77	1,77		
Av. Nilo Coelho	08/02/2022	V2	P2	30,00			400	400	VS	VS	-	8,80	-	8,90	8,35			2,50	2,50		
Av. Nilo Coelho	08/02/2022	V2	P2	30,00			400	400	VS	VS	-	8,80	-	8,90	8,35			2,50	2,50		
Rua João Nunes Dourado	08/02/2022	V4	P4	40,00			70	70	VS	VS	3,20	7,00	-	8,00	7,60			1,77	1,77		
Av. Juscelino Kubitschek	08/02/2022	V3	P3	29,00			250	250	VS	VS	-	8,30	3,30	7,20	8,70			1,77	1,77		
Rua Rogaciano Francisco de Moraes	09/02/2022	V4	P4	25,30			400	400	VS	VS	3,00	7,30	-	12,00	12,00			0,50	0,50		
Av. Pref. José Neves Teixeira	09/02/2022	V2	P2	20,30			250	250	VS	VS	3,30	7,80	6,40	7,70	7,50			1,77	1,77		
Av. Nilo Coelho	16/02/2022	V2	P2	31,00			400	400	VS	VS	-	12,00	-	8,80	9,00			2,50	2,50		
Rua B	16/02/2022	V4	P4	43,00			125	125	VS	VS	2,70	7,00	2,00	6,40	6,40			1,00	1,00		

Caculé																					
Endereço	Data	Classes de Iluminação das Vias	Classes de Iluminação das Vias de Pedestres	Distância entre postes			Aderência ao Cadastro				Via			Altura de Montagem (m)				Projeção dos braços (m)			
				AB	BC	CD	Potência da Lâmpada (Campo)	Potência da Lâmpada (Cadastro)	Tipo (Campo)	Tipo (Cadastro)	Largura da Calçada do Ponto	Largura da Via	Largura da Calçada Oposta	A	B	C	D	A	B	C	D
Estr. para Ibiassuê	10/02/2022	V4	P4	31,00	33,00	34,80	70	70	VS	VS	-	6,20	6,30	7,30	7,30	7,50	6,50	1,00	1,00	1,00	1,00
N/I	10/02/2022	V4	P4	15,50	42,90	45,00	70	70	VS	VS	1,70	6,40	1,50	6,90	6,80	7,00	7,50	1,00	1,00	1,00	1,00
Av. Cônego Miguel Monteiro	10/02/2022	V2	P2	30,50	26,80	27,00	150	150	VS	VS	2,40	8,70	2,10	7,60	7,60	7,50	7,60	2,50	2,50	2,50	2,50
Rua Dr. Antonio Muniz	10/02/2022	V3	P3	19,40	31,00	26,20	90	150	LD	VS	-	7,00	2,22	7,30	7,30	6,80	7,70	1,77	1,77	1,77	1,77
Rua Porto Alegre	10/02/2022	V4	P4	38,40	41,00	40,00	70	70	VS	VS	1,50	9,00	1,80	6,60	6,50	7,00	7,00	1,00	1,00	1,00	1,00
N/I	10/02/2022	V4	P4	35,00	31,00	43,00	250	250	VS	VS	-	13,00	-	7,70	7,50	8,54	8,50	2,50	2,50	2,50	2,50
Rua Mem de Sá	10/02/2022	V4	P4	27,00	30,00	28,00	70	70	VS	VS	1,40	6,00	1,70	6,20	6,70	6,70	6,50	1,00	1,00	1,00	1,00
Av. Artur Castilho	10/02/2022	V3	P3	22,00	29,00	60,00	70	70	VS	VS	2,40	7,00	2,60	7,50	6,80	6,90	5,00	1,00	1,00	1,00	1,00
Rua Antonio Coutinho	10/02/2022	V3	P3	24,60	27,30	25,70	50	150	LD	VS	2,00	7,00	2,50	7,95	7,50	6,90	7,00	1,77	1,77	1,77	1,77
N/I	10/02/2022	V4	P4	32,00	30,00	32,00	50	50	LD	LD	1,40	7,00	5,00	6,80	7,70	7,80	7,30	1,77	1,77	1,77	1,77
Rua Pres. Medice	10/02/2022	V4	P4	39,90	43,60	29,80	70	70	VS	VS	2,10	6,50	1,70	6,10	6,10	6,40	6,80	1,00	1,00	1,00	1,00
Rua C	10/02/2022	V4	P4	32,20	39,50	41,20	50	70	LD	VS	1,30	6,00	1,40	5,90	6,10	5,90	6,70	1,00	1,00	1,00	1,00
N/I	10/02/2022	V4	P4	28,50	37,00	40,00	50	70	LD	VS	2,50	4,00	-	6,90	6,60	7,00	6,70	1,00	1,00	1,00	1,00
Rua Francisco Pinho	10/02/2022	V4	P4	34,30	25,30	60,70	50	70	LD	VS	1,10	7,80	1,10	6,40	6,80	7,10	7,10	1,00	1,00	1,00	1,00
Pista do Parque	10/02/2022	V4	P4	20,00	19,80	20,00	70	70	VS	VS	-	3,60	-	5,10	5,00	5,00	5,00	1,00	1,00	1,00	1,00
Rua Rui Barbosa	10/02/2022	V4	P4	26,50	33,00	30,00	70	70	VS	VS	1,60	5,40	1,50	6,30	6,45	6,50	6,70	1,00	1,00	1,00	1,00
Rua Artur Neves	10/02/2022	V4	P4	37,50	35,90	39,30	50	70	LD	VS	2,30	8,60	1,80	6,00	6,00	6,40	6,00	1,00	1,00	1,00	1,00
Rua Dr. Crescencio Silveira	10/02/2022	V3	P3	30,10	36,00	40,50	50	70	LD	VS	1,70	8,20	2,00	6,20	7,00	6,20	6,50	1,00	1,00	1,00	1,00
Rua Arlindo A. Pereira	10/02/2022	V4	P4	39,90	37,00	38,30	50	70	LD	VS	1,40	8,60	1,40	6,50	6,70	6,70	6,70	1,00	1,00	1,00	1,00
Av. Passagem do Rio	10/02/2022	V4	P4	35,00	35,00	30,00	70	70	VS	VS	1,50	7,40	-	7,70	6,30	6,50	6,70	1,00	1,00	1,00	1,00
Av. Copacabana	10/02/2022	V2	P2	36,20			150	250	LD	VS	4,30	7,10	4,00	7,50	7,80			2,50	2,50		
N/I	10/02/2022	V4	P4	35,00			70	70	VS	VS	2,00	8,30	1,60	6,50	6,50			1,00	1,00		
Rua Joaquim Antonio da Silva	10/02/2022	V3	P3	27,00			70	70	VS	VS	5,50	8,80	2,10	6,80	7,10			1,00	1,00		
Rua Sisínio Viana	10/02/2022	V4	P4	28,00			70	70	VS	VS	1,50	6,00	1,50	5,70	5,70			1,00	1,00		
Rua do Cemitério	10/02/2022	V4	P4	39,00			70	70	VM	VS	2,00	7,80	1,50	6,60	6,60			1,00	1,00		
Rua Ranulfo Costa	10/02/2022	V4	P4	40,00			150	150	VS	VS	-	7,00	-	5,80	6,20			1,00	-		
Rua Ranulfo Costa	10/02/2022	V4	P4	34,00			50	150	LD	VS	1,60	9,00	1,50	6,24	6,80			1,00	1,00		
Rua Eleotério Tavares	10/02/2022	V4	P4	40,00			150	150	VS	VS	2,50	7,80	2,80	7,00	9,70			1,00	1,00		
Rua Antonio Coutinho	10/02/2022	V4	P4	40,00			50	70	LD	VS	2,00	9,00	1,00	7,00	6,60			1,00	1,00		
Av. Artur Castilho	10/02/2022	V3	P3	30,00			50	150	LD	VS	1,90	11,40	2,00	8,25	8,12			2,50	2,50		
Rua Dr. Antonio Muniz	10/02/2022	V4	P4	24,00			150	70	VM	VS	1,50	12,70	1,70	6,60	6,50			1,00	1,00		
Rua Treze de Maio	10/02/2022	V4	P4	40,00			50	250	LD	VS	-	8,00	-	8,50	8,40			2,50	2,50		
Rua Dr. Crescencio Silveira	10/02/2022	V4	P4	32,00			70	70	VS	VS	1,40	6,90	1,40	6,90	6,90			1,00	1,00		
Em frente à Camara Municipal	10/02/2022	V3	P3	35,90	34,00	31,70	90	250	LD	VS	2,00	8,10	1,50	7,90	8,00	8,00	7,30	2,50	2,50	2,50	2,50
Rua Cmte. Cortes entre R Santos Dum	15/02/2022	V4	P4	27,00			70	70	VS	VS	1,60	7,00	1,60	6,50	6,70			1,00	1,00		
Rua Castro Alves	15/02/2022	V4	P4	29,00			70	70	VS	VS	1,20	7,12	1,50	6,20	7,10			1,00	1,00		
Rua Rodrigo Ferreira Neves	15/02/2022	V3	P3	45,80			70	70	VS	VS	1,50	7,00	1,50	6,40	6,30			1,00	1,00		
Rua S/N	15/02/2022	V4	P4	26,00			150	70	VS	VS	3,80	8,20	3,90	7,20	7,00			1,00	1,00		
Rua Rodrigo Ferreira Neves	15/02/2022	V3	P3	53,90			70	70	VS	VS	1,60	7,14	-	6,50	6,20			1,00	1,00		
R S/N	15/02/2022	V4	P4	40,00			70	70	VS	VS	-	6,00	-	6,80	6,40			1,00	1,00		
Rua Clementina de Jesus	15/02/2022	V4	P4	53,00			70	70	VS	VS	1,80	7,13	1,50	6,10	6,50			1,00	1,00		
Rua Padre Cícero	15/02/2022	V4	P4	31,80			70	70	VS	VS	1,50	6,50	2,10	6,70	6,40			1,00	1,00		
Travessa Padre Cícero	15/02/2022	V4	P4	34,00			70	70	VS	VS	1,50	5,25	1,30	7,00	7,10			1,00	1,00		
Rua Artur Neves	15/02/2022	V4	P4	27,70			70	70	VS	VS	2,30	6,00	1,90	6,40	6,60			1,00	1,00		
Rua Arlindo A. Pereira	15/02/2022	V4	P4	35,00			70	70	VS	VS	1,77	8,70	2,00	7,50	6,80			1,00	1,00		
Rua S/N atrás da Igreja São João Batis	15/02/2022	V4	P4	40,00			70	70	VS	VS	1,50	7,00	2,60	6,70	6,60			1,00	1,00		

Lagoa Real																					
Endereço	Data	Classes de Iluminação das Vias	Classes de Iluminação das Vias de Pedestres	Distância entre postes			Aderência ao Cadastro				Via			Altura de Montagem (m)				Projeção dos braços (m)			
				AB	BC	CD	Potência da Lâmpada (Campo)	Potência da Lâmpada (Cadastro)	Tipo (Campo)	Tipo (Cadastro)	Largura da Calçada do Ponto	Largura da Via	Largura da Calçada Oposta	A	B	C	D	A	B	C	D
Rua Monsenhor Bastos	11/02/2022	V2	P2	27,00	-	-	250	250	VS	VS	8,60	7,20	-	7,73	7,86	-	-	1,77	1,77	-	-
Av. Real	11/02/2022	V3	P3	90,00	50,00	61,50	250	250	VS	VS	-	7,00	-	7,80	7,00	8,00	7,50	2,50	2,50	2,50	2,50
Av. Real	11/02/2022	V3	P3	36,00	-	-	250	250	VS	VS	-	7,00	-	7,40	7,90	-	-	2,50	2,50	-	-
Tv. Zé Pinto	11/02/2022	V5	P4	45,00	-	-	100	100	LD	LD	-	5,20	-	7,30	7,90	-	-	1,77	1,77	-	-
Av. 14 de Maio	11/02/2022	V5	P4	42,00	44,00	-	400	400	VS	VS	1,40	7,00	2,50	8,50	8,50	8,00	-	2,50	2,50	2,50	-
N/I	11/02/2022	V5	P4	36,00	-	-	400	400	VS	VS	4,70	8,00	2,50	8,00	8,20	-	-	2,50	2,50	-	-
Rua 6 de Agosto	11/02/2022	V5	P4	20,00	27,80	34,00	70	70	VS	VS	1,50	8,00	1,30	7,00	6,50	6,60	7,00	1,00	1,00	1,00	1,00
Rua 6 de Agosto	11/02/2022	V5	P4	33,00	35,00	-	70	70	VS	VS	1,50	8,00	1,30	7,00	7,00	7,00	-	1,00	1,00	1,00	-
Rua Nelson Mariano	11/02/2022	V5	P4	40,00	-	-	400	400	VS	VS	1,40	7,00	1,80	8,30	7,34	-	-	2,50	2,50	-	-
Av. Santa Maria	11/02/2022	V5	P4	37,00	20,00	22,00	70	70	VS	VS	1,20	7,50	1,80	6,40	6,50	6,00	6,35	1,00	1,00	1,00	1,00
Rua Belo Duca	11/02/2022	V5	P4	37,70	-	-	70	70	VS	VS	1,20	6,00	0,70	6,30	6,40	-	-	1,00	1,00	-	-
Tv. São Pedro	11/02/2022	V5	P4	37,80	37,00	36,30	70	70	VS	VS	1,00	6,00	2,50	6,40	6,50	6,50	6,50	1,00	1,00	1,00	1,00
N/I	11/02/2022	V5	P4	34,20	-	-	70	70	VS	VS	1,60	5,10	1,00	6,20	6,20	-	-	1,00	1,00	-	-
Av. 14 de Maio	11/02/2022	V4	P4	30,00	38,70	30,00	400	400	VS	VS	1,70	7,00	1,40	8,30	8,50	8,00	8,00	2,50	2,50	2,50	2,50
Av. Real	11/02/2022	V2	P2	40,00	-	-	70	70	VS	VS	1,30	7,00	2,00	6,75	8,30	-	-	1,00	2,50	-	-
Tv São Pedro	11/02/2022	V5	P4	70,00	-	-	70	70	VS	VS	1,20	6,00	1,00	6,90	6,90	-	-	1,00	1,00	-	-
N/I	11/02/2022	V5	P4	33,00	-	-	250	400	VS	VS	1,60	8,60	0,70	8,00	7,70	-	-	2,50	2,50	-	-
Rua Senhor do Bonfi,	11/02/2022	V5	P4	38,10	38,00	37,70	70	70	VS	VS	1,80	6,00	1,00	7,00	7,00	7,00	7,00	1,00	1,00	1,00	1,00
BA-940	11/02/2022	V4	P3	28,00	-	-	70	70	VS	VS	1,70	8,00	1,50	6,00	6,20	-	-	1,00	1,00	-	-
Rua 15 de Novembro	11/02/2022	V5	P4	44,50	45,60	43,70	70	70	VS	VS	2,20	6,00	1,70	6,30	6,20	6,10	6,30	1,00	1,00	1,00	1,00
Rua Belo Duca	11/02/2022	V4	P4	20,20	-	-	150	70	VS	VS	2,90	7,30	1,30	6,70	6,70	-	-	1,00	1,00	-	-
Rua Belo Duca	11/02/2022	V4	P4	30,60	36,30	30,30	70	70	VS	VS	1,40	7,60	-	6,60	6,60	6,50	6,10	1,00	1,00	1,00	1,00
Rua Monsenhor Bastos	11/02/2022	V3	P3	35,00	-	-	400	400	VS	VS	1,30	7,30	1,30	8,30	8,40	-	-	2,50	2,50	-	-
N/I	11/02/2022	V5	P4	23,00	32,50	33,40	70	70	VS	VS	1,00	4,50	1,00	6,80	6,50	6,70	6,70	1,00	1,00	1,00	1,00
Rua Zezé Cardoso	11/02/2022	V5	P4	15,00	-	-	70	70	VS	VS	1,90	5,50	1,30	6,70	6,50	-	-	1,00	1,00	-	-
Rua Ciro de Moura Rocra	11/02/2022	V5	P4	40,00	35,80	45,00	70	70	VS	VS	1,50	7,00	1,60	7,00	7,00	6,70	6,00	1,00	1,00	1,00	1,00
Rua Ciro de Moura Rocra	11/02/2022	V5	P4	36,10	44,90	37,00	70	70	VS	VS	1,30	6,90	1,50	6,70	6,50	5,90	6,40	1,00	1,00	1,00	1,00
Rua Ciro de Moura Rocra	11/02/2022	V5	P4	36,80	37,20	-	70	70	VS	VS	1,60	6,90	1,50	6,00	6,00	6,20	-	1,00	1,00	1,00	-
Av. Real	11/02/2022	V3	P3	38,50	-	-	70	70	VS	VS	2,00	7,80	2,10	5,70	6,00	-	-	1,00	1,00	-	-
Rua Dr. Osvaldo Rodrigues	11/02/2022	V5	P4	42,40	-	-	100	70	VS	VS	0,90	7,90	1,80	6,20	6,20	-	-	1,00	1,00	-	-
Rua Belo Duca	11/02/2022	V5	P4	47,00	-	-	250	400	VS	VS	1,40	7,00	1,50	8,00	8,00	-	-	2,50	2,50	-	-
Av. 14 de Maio	11/02/2022	V3	P3	30,80	-	-	250	70	VS	VS	1,20	8,00	1,20	8,50	8,50	-	-	2,50	2,50	-	-
Rua Nelson Mariano	11/02/2022	V5	P4	38,60	-	-	70	70	VS	VS	1,10	6,00	-	6,50	6,50	-	-	1,00	1,00	-	-
Rua Nelson Mariano	11/02/2022	V5	P4	41,40	-	-	70	70	VS	VS	1,60	6,00	1,70	6,80	6,80	-	-	1,00	1,00	-	-
Rua Dois de Julho	11/02/2022	V5	P4	39,90	-	-	150	70	VS	VS	1,30	6,90	1,40	7,90	7,70	-	-	2,50	2,50	-	-
Av. Santa Maria	11/02/2022	V5	P4	34,80	-	-	70	70	VS	VS	2,70	8,00	3,00	7,90	6,80	-	-	1,00	1,00	-	-
Av. 14 de Maio	11/02/2022	V3	P3	61,40	-	-	70	70	VS	VS	3,20	6,90	-	7,50	7,40	-	-	1,77	1,77	-	-
Rua Luiz Pereira de Aguiar	11/02/2022	V5	P4	50,40	-	-	70	70	VS	VS	1,20	5,00	1,20	7,00	6,80	-	-	1,00	1,00	-	-
Rua Sr. do Bonfim	11/02/2022	V5	P4	38,50	-	-	70	70	VS	VS	1,20	4,90	0,80	7,00	6,20	-	-	1,00	1,00	-	-
Monsenhor Bastos - UBS	14/02/2022	V5	P4	50,50	38,50	42,90	70	70	VS	VS	1,70	6,10	1,80	7,20	6,80	7,00	6,80	1,00	1,00	1,00	1,00
Monsenhor Bastos - UBS	14/02/2022	V5	P4	36,70	37,00	-	70	70	VS	VS	1,70	6,10	1,80	5,50	5,80	6,00	-	1,00	1,00	1,00	-
Monsenhor Bastos, atrás da Igreja - rua	14/02/2022	V5	P4	26,50	36,50	36,00	70	70	VS	VS	-	3,50	-	5,60	5,50	5,70	5,50	1,00	1,00	1,00	1,00
Parque do Lago (calçada)	11/02/2022	V5	P4	27,88	26,80	-	150	150	VM	VM	1,80	3,00	1,80	7,10	7,00	7,20	-	1,00	1,00	1,00	-
Tv. Santa Terezinha	11/02/2022	V5	P4	43,20	31,00	43,00	250	250	VS	VS	1,20	7,80	1,50	7,70	7,50	8,50	8,50	2,50	2,50	2,50	2,50
Rua Alto da Lagoa	11/02/2022	V5	P4	39,90	37,40	-	70	70	VS	VS	0,90	6,20	1,10	6,80	7,00	6,90	-	1,00	1,00	1,00	-
Tv. Florinda Gomes	11/02/2022	V5	P4	41,00	46,20	-	70	70	VS	VS	1,00	6,50	-	7,00	7,10	7,00	-	1,00	1,00	1,00	-

ANEXO 4—CLASSES DE ILUMINANCIA—PREFEITURAS MUNICIPAIS

ANEXO 4 – CLASSES DE ILUMINÂNCIA – PREFEITURAS MUNICIPAIS						
Sebastião Laranjeiras						
Logradouro	Bairro	CLASSIFICAÇÃO VIÁRIA (CTB)	CLASSIFICAÇÃO VIAS DE VEÍCULOS (NBR 5101)	CLASSIFICAÇÃO VIAS DE PEDESTRES (NBR 5101)	FLUXO DE VEÍCULOS	FLUXO DE PEDESTRES
Avenida Sete de Setembro	Paraíso	Arterial	V2	P2	Intenso	Intenso
Avenida Tiradentes	Centro	Coletora	V3	P3	Moderado	Moderado
Avenida Tiradentes	Stº Antônio	Coletora	V3	P3	Moderado	Moderado
Rua 02 de Maio	Centro	Local	V4	P4	Leve	Leve
Rua Dois de Maio	Stª Luzia	Local	V4	P4	Leve	Leve
Rua Dois de Maio	Stº Antônio	Local	V4	P4	Leve	Leve
Rua Nicolau Suerdick	Centro	Local	V4	P4	Leve	Leve
Avenida Santos Dumont	Centro	Local	V4	P4	Leve	Leve
Avenida Santos Dumont	Stº Antônio	Local	V4	P4	Leve	Leve
Avenida do Livramento	Centro	Local	V4	P4	Leve	Leve
Avenida do Livramento	Paraíso	Local	V4	P4	Leve	Leve
Avenida do Livramento	Stª Luzia	Local	V4	P4	Leve	Leve
Rua Bahia	Mandiroba	Local	V4	P4	Leve	Leve
Rua 3 Castro Alves	Momonas	Local	V5	P4	Leve	Leve
Avenida 7 de Setembro	Centro	Local	V5	P4	Leve	Leve
Praça 7 de Setembro	Sede	Local	V5	P4	Leve	Leve
Rua Antônio Francisco Dias	Paraíso	Local	V5	P4	Leve	Leve
Rua Arlindo Francisco dos Santos	Paraíso	Local	V5	P4	Leve	Leve
Avenida B	Centro Mato Grosso	Local	V5	P4	Leve	Leve
Avenida B Núcleo III	Nuc 3	Local	V5	P4	Leve	Leve
Rua B	Nuc 3	Local	V5	P4	Leve	Leve
Travessa Benício Moreira Pinto	Stª Luzia	Local	V5	P4	Leve	Leve
Rua Breginho	Povoado Mato Grosso	Local	V5	P4	Leve	Leve
Rua C	Nuc 3	Local	V5	P4	Leve	Leve
Rua Camatei	Centro	Local	V5	P4	Leve	Leve
Avenida Castelo Branco	Centro	Local	V5	P4	Leve	Leve
Praça Da Matriz	Centro	Local	V5	P4	Leve	Leve
Rua Dois Maio	Centro	Local	V5	P4	Leve	Leve
Rua Domingos Pereira da Silva	Centro	Local	V5	P4	Leve	Leve
Rua Domingos Pereira da Silva	Stº Antônio	Local	V5	P4	Leve	Leve
Avenida Duque de Caxias	Centro	Local	V5	P4	Leve	Leve
Rua Edilson Luiz Rocha	Paraíso	Local	V5	P4	Leve	Leve
Rua Francisco Cerqueira Leão	Paraíso	Local	V5	P4	Leve	Leve
Travessa José Carlos Cerqueira	Stª Luzia	Local	V5	P4	Leve	Leve
Rua José Cândido de Macedo	Stº Antônio	Local	V5	P4	Leve	Leve
Rua João Carlos Leão	Centro	Local	V5	P4	Leve	Leve
Rua João Carlos Leão	Stª Luzia	Local	V5	P4	Leve	Leve
Rua João Carlos Leão	Stº Antônio	Local	V5	P4	Leve	Leve
Rua João Roberto Cotrim	Stª Luzia	Local	V5	P4	Leve	Leve
Rua Laudilino Rodrigues Monção	Stª Luzia	Local	V5	P4	Leve	Leve
Rua Laudilino Rodrigues Monção	Stº Antônio	Local	V5	P4	Leve	Leve
Praça Luiz Eduardo Magalhães	Centro	Local	V5	P4	Leve	Leve
Rua Luís Dias Laranjeira	Centro	Local	V5	P4	Leve	Leve
Rua Luís Dias Laranjeira	Stº Antônio	Local	V5	P4	Leve	Leve
Loteamento Núcleo III	Nuc 3	Local	V5	P4	Leve	Leve
Rua Olímpio Monteiro Magalhães	STO Antonio	Local	V5	P4	Leve	Leve
Rua Olímpio Monteiro Magalhães	Centro	Local	V5	P4	Leve	Leve
Rua Olímpio Monteiro Magalhães	Stº Antônio	Local	V5	P4	Leve	Leve
Rua Otacílio Nogueira	Paraíso	Local	V5	P4	Leve	Leve
Rua Pedro I	Centro	Local	V5	P4	Leve	Leve
Rua Pedro Rodrigues de Araújo	Centro	Local	V5	P4	Leve	Leve
Rua Pedro Rodrigues de Araújo	Stº Antônio	Local	V5	P4	Leve	Leve
Praça Praça da Igreja	Povoado Mato Grosso	Local	V5	P4	Leve	Leve
Rua Princesa Isabel	Centro	Local	V5	P4	Leve	Leve
Rua Princesa Izabel	Paraíso	Local	V5	P4	Leve	Leve
Rua Princesa Izabel	Stª Luzia	Local	V5	P4	Leve	Leve
Rua Nicolau Suerdick, 49	Centro	Local	V5	P4	Leve	Leve
Travessa Santa Rita	Centro	Local	V5	P4	Leve	Leve
Rua Santo Antônio	Centro	Local	V5	P4	Leve	Leve
Rua Santo Antônio	Mato Grosso	Local	V5	P4	Leve	Leve
Rua Santo Antônio	Povoado Mato Grosso	Local	V5	P4	Leve	Leve
Rua Santos Dumont	Centro	Local	V5	P4	Leve	Leve
Rodovia Seb Laranjeiras A Mandiroba	Faz Morro	Local	V5	P4	Leve	Leve
Rodovia Sebastião Laranjeiras A Palmas	Paraíso	Local	V5	P4	Leve	Leve
Rodovia Sebastião Laranjeiras A Palmas	Stª Luzia	Local	V5	P4	Leve	Leve
Rua Sebastião Pinto Maia	Stº Antônio	Local	V5	P4	Leve	Leve
Avenida Sebastião Rocha	Centro	Local	V5	P4	Leve	Leve
Avenida Sebastião Rocha	Paraíso	Local	V5	P4	Leve	Leve
Avenida Sebastião Rocha	Stº Antônio	Local	V5	P4	Leve	Leve
Praça Sebastião Rocha Filho	Centro	Local	V5	P4	Leve	Leve
Rua Sebastião de Souza Almeida	Paraíso	Local	V5	P4	Leve	Leve
Largo Sete de Abril	Centro	Local	V5	P4	Leve	Leve
Rua Sete de Setembro	Centro	Local	V5	P4	Leve	Leve
Rua Soldado Geraldo Carvalho Patez	Centro	Local	V5	P4	Leve	Leve
Rua Soldado Geraldo Carvalho Patez	Stº Antônio	Local	V5	P4	Leve	Leve

Rua Suerdick	Centro
Rua São João	Centro
Loteamento Thayna	Centro
Rua Tiradentes	Centro
Rua Tiradentes	Povoado Mato Grosso
Rua Vereador Joaquim Carvalho Pinto	Centro
Rua Vereador Joaquim Carvalho Pinto	Stº Antônio
Praça da Luz	Centro
Rua da Luz	Centro
Praça da Saudade	Centro
Rua das Oliveiras	
Rua das Oliveiras	Centro
Rua das Oliveiras	Paraíso
Rua das Parreiras	Centro
Rua de Caxias	Centro
Povoado de Piranha	Piranha
Povoado de Piranhas	Piranhas
Avenida do Livramento	Stº Antônio
Praça Érico de Castro Lima	Stª Luzia

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Logradouro	Bairro	CLASSIFICAÇÃO VIÁRIA (CTB)	CLASSIFICAÇÃO VIAS DE VEÍCULOS (NBR 5101)	CLASSIFICAÇÃO VIAS DE PEDESTRES (NBR 5101)	FLUXO DE VEÍCULOS	FLUXO DE PEDESTRES
Avenida Vicente Cristo Lopes	Centro	Arterial	V2	P2	Intenso	Intenso
Avenida Vicente Cristo Lopes	Castalha	Arterial	V2	P2	Intenso	Intenso
Avenida Vicente Cristo Lopes	Planaltina	Arterial	V2	P2	Intenso	Intenso
Avenida Etelvino Santana	Pindorama	Coletora	V3	P3	Moderado	Moderado
Avenida Oscar Teixeira	Centro	Coletora	V3	P3	Moderado	Moderado
Rua Rui Barbosa	Centro	Coletora	V3	P3	Moderado	Moderado
Avenida Tiradentes	Centro	Coletora	V3	P3	Moderado	Moderado
Rua Augusto Rocha	Centro	Local	V4	P4	Leve	Leve
Rua Belo Horizonte	Centro	Local	V4	P4	Leve	Leve
Rua Duque de Caxias	Pindorama	Local	V4	P4	Leve	Leve
Travessa Edivan N Vilas Boas	Centro	Local	V4	P4	Leve	Leve
Praça Emiliano Montalvão	Centro	Local	V4	P4	Leve	Leve
Rua José Conceição Bezerra	Centro	Local	V4	P4	Leve	Leve
Rua José Conceição Bezerra	Taboinha	Local	V4	P4	Leve	Leve
Rua Manoel Batista	Centro	Local	V4	P4	Leve	Leve
Rua Marcelino Dias	Centro	Local	V4	P4	Leve	Leve
Rua Maria Silva Leal	Castalha	Local	V4	P4	Leve	Leve
Rua Maria Silva Leal	Centro	Local	V4	P4	Leve	Leve
Rua 15 de Novembro	Centro	Local	V5	P4	Leve	Leve
Travessa 21 de Abril	Pindorama	Local	V5	P4	Leve	Leve
Rua 29 de Outubro	Centro	Local	V5	P4	Leve	Leve
Rua 3 Badem Paulo	Sede	Local	V5	P4	Leve	Leve
Rua 3 Zilda Malheiros	Centro	Local	V5	P4	Leve	Leve
Praça 3 do Mercado	Sede	Local	V5	P4	Leve	Leve
Praça Abílio Ferreira	Centro	Local	V5	P4	Leve	Leve
Rua Abílio Lopes	Planaltina	Local	V5	P4	Leve	Leve
Praça Abílio Pereira		Local	V5	P4	Leve	Leve
Praça Abílio Pereira	Centro	Local	V5	P4	Leve	Leve
Rua Abílio Pereira	Centro	Local	V5	P4	Leve	Leve
Rua Adelvino Caires	Planaltina	Local	V5	P4	Leve	Leve
Rua Afonsarino Fernandes	Barragem	Local	V5	P4	Leve	Leve
Rua Afonsarino Fernandes	Taboinha	Local	V5	P4	Leve	Leve
Rua Agenor Pereira	Planaltina	Local	V5	P4	Leve	Leve
Rua Antônio Garruchinha	Jacarezinho	Local	V5	P4	Leve	Leve
Rua Antônio Montalvão	Planaltina	Local	V5	P4	Leve	Leve
Travessa Antônio Nunes Pereira	Planaltina	Local	V5	P4	Leve	Leve
Rua Anésia Guedes	Planaltina	Local	V5	P4	Leve	Leve
Rua Augusta Alves	Centro	Local	V5	P4	Leve	Leve
Rua Augusta Alves	Planaltina	Local	V5	P4	Leve	Leve
Rua Augusto Rocha	Taboinha	Local	V5	P4	Leve	Leve
Povoado Barragem	Barragem	Local	V5	P4	Leve	Leve
Praça Bazilio Pantaleão	Jacarezinho	Local	V5	P4	Leve	Leve
Travessa Belo Horizonte	Centro	Local	V5	P4	Leve	Leve
Rua Bento Fernandes		Local	V5	P4	Leve	Leve
Rua Bento Fernandes	Planaltina	Local	V5	P4	Leve	Leve
Rua Bia Cainana	Centro	Local	V5	P4	Leve	Leve
Rua Brinde	Centro	Local	V5	P4	Leve	Leve
Rua Carlos Milton Frota	Planaltina	Local	V5	P4	Leve	Leve
Rua Cláudio Farias	Centro	Local	V5	P4	Leve	Leve
Rua Cláudio Farias	Jacarezinho	Local	V5	P4	Leve	Leve
Rua César Benevides	Planaltina	Local	V5	P4	Leve	Leve
Rua Dona Chica	Jacarezinho	Local	V5	P4	Leve	Leve
Rua Dona Chica	Centro	Local	V5	P4	Leve	Leve
Travessa Dona Matildes Batista Magalhães	Centro	Local	V5	P4	Leve	Leve
Rua E	Planaltina	Local	V5	P4	Leve	Leve
Praça Edmar Ferreira	Planaltina	Local	V5	P4	Leve	Leve
Rua Eduardo Queiroz	Centro	Local	V5	P4	Leve	Leve
Rua Eduardo Queiroz	Planaltina	Local	V5	P4	Leve	Leve
Rua Elismar Magalhães	Castalha	Local	V5	P4	Leve	Leve
Rua Emanuela Dias	Centro	Local	V5	P4	Leve	Leve
Avenida Etelvino Santana	Centro	Local	V5	P4	Leve	Leve
Rua Eujacio de Brito Vilas Boas	Barragem	Local	V5	P4	Leve	Leve
Rua Eujacio de Brito Vilas Boas	Planaltina	Local	V5	P4	Leve	Leve
Rua Evangelista	Pindorama	Local	V5	P4	Leve	Leve
Rua Ezequiel Viana	Jacarezinho	Local	V5	P4	Leve	Leve
Rua Francisco Guedes	Castalha	Local	V5	P4	Leve	Leve
Rua Gildalva Feitosa	Planaltina	Local	V5	P4	Leve	Leve
Rua Gilvan Ribeiro	Centro	Local	V5	P4	Leve	Leve
Travessa Godson Caires	Planaltina	Local	V5	P4	Leve	Leve
Rua Indefinida	Pindorama	Local	V5	P4	Leve	Leve
Rua Inocêncio Nascimento	Castalha	Local	V5	P4	Leve	Leve
Rua Inocêncio Nascimento	Centro	Local	V5	P4	Leve	Leve
Rua Isaac Santos	Centro	Local	V5	P4	Leve	Leve
Rua Isaac Santos	Planaltina	Local	V5	P4	Leve	Leve
Rua Izabel América da Silva	Taboinha	Local	V5	P4	Leve	Leve
Rua Jean Brito	Castalha	Local	V5	P4	Leve	Leve

Rua Senhorinha Nogueira
Rodovia Sentido Monte Alto
Rua Sílvio Dias
Rua Tauribio Caldeira
Rua Tauribio Caldeira
Rua Tira Dentes
Rua Valmir Nogueira
Avenida Vicente
Rua Vicente Cristo Lopes
Rua Vicente Cristo Lopes
Rua Vitória Ramos
Travessa Zacarias Araújo
Rua Zilda Malheiros
Rua Zuza Montalvão
Travessa da Liberdade
Rua da Matriz
Rua das Flores
Povoado de Morrinhos
Rua do Campo
Rua do Campo
Praça do Mercado
Praça do Mercado
Rua Érico Amorim
Rua Érico Amorim

Planaltina
Faz Rancho Casca
Centro
Centro
Planaltina
Pindorama
Barragem
Centro
Centro
Jd Castalia
Castalha
Centro
Planaltina
Centro
Pindorama
Pindorama
Morrinhos
Doramapi
Pindorama
Centro
Pindorama
Barragem
Planaltina

[illegible]

Guanambi						
Logradouro	Bairro	CLASSIFICAÇÃO VIÁRIA (CTB)	CLASSIFICAÇÃO VIAS DE VEÍCULOS (NBR 5101)	CLASSIFICAÇÃO VIAS DE PEDESTRES (NBR 5101)	FLUXO DE VEÍCULOS	FLUXO DE PEDESTRES
Avenida Governador Waldir Pires	Adjacente	Arterial	V2	P2	Moderado	Intenso
Avenida Governador Waldir Pires	Alvorada	Coletora	V2	P2	Intenso	Intenso
Avenida Vereador Vá Donato	B.N.H.	Arterial	V2	P3	Moderado	Moderado
Avenida Governador Nilo Coelho	Belo Horizonte	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Waldir Pires	Candeal	Arterial	V2	P2	Moderado	Intenso
Avenida Otávio Mangabeira	Centro	Arterial	V2	P2	Intenso	Intenso
Avenida Senador Nilo Coelho	Centro	Coletora	V2	P2	Intenso	Intenso
Rua 1 de Maio	Centro	Coletora	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	Centro Industrial	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	Dr. Beneval Boa Sorte	Arterial	V2	P2	Intenso	Intenso
Avenida José Neves Teixeira	Ipanema	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	Ipiranga	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Waldir Pires	Ipiranga	Arterial	V2	P2	Moderado	Intenso
Avenida Governador Waldir Pires	Lagoinha	Arterial	V2	P2	Moderado	Intenso
Avenida Santos Dumont	Loteamento Municipal	Arterial	V2	P2	Intenso	Intenso
Avenida Otávio Mangabeira	Lotm Morada Nova	Arterial	V2	P2	Intenso	Intenso
Avenida Sandoval Moraes	Maria Bastos	Coletora	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	N Sra das Gracias	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	Novo Horizonte	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	Nuc H B C B Sorte	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	Paraíso	Arterial	V2	P2	Intenso	Intenso
Avenida José Neves Teixeira	Paraíso	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	Prado	Arterial	V2	P2	Intenso	Intenso
Avenida Santos Dumont	São Félix	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	São Francisco	Arterial	V2	P2	Intenso	Intenso
Avenida Avenida Barão do Rio Branco	São Francisco	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	São José	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	São Sebastião	Arterial	V2	P2	Intenso	Intenso
Avenida Governador Nilo Coelho	Vomitamel	Arterial	V2	P2	Intenso	Intenso
Avenida Santos Dumont	Vomitamel	Arterial	V2	P2	Intenso	Intenso
Rua Benvindo Dias	Alvorada	Coletora	V3	P3	Moderado	Moderado
Avenida Mato Grosso do Sul	Alto Caiçara	Coletora	V3	P2	Moderado	Intenso
Avenida Deputado Hidevaldo Alves Boa Sorte	Alto Caiçara	Coletora	V3	P2	Moderado	Intenso
Rua Wilson Pereira dos Santos	B.N.H.	Coletora	V3	P3	Moderado	Moderado
Rua 19	B.N.H.	Coletora	V3	P3	Moderado	Moderado
Avenida José Vieira Costa	B.N.H.	Coletora	V3	P2	Moderado	Intenso
Avenida Pollyana Torres de Matos	B.N.H.	Coletora	V3	P2	Moderado	Intenso
Av. Dr. Asdrubal da Silva Meira	Beija Flor I	Coletora	V3	P2	Moderado	Intenso
Rua A	Betel	Coletora	V3	P3	Moderado	Moderado
Avenida Sandoval Moraes	Brindes	Coletora	V3	P3	Moderado	Moderado
Avenida Guanabara	Centro	Coletora	V3	P3	Moderado	Moderado
Avenida Castelo Branco	Centro	Coletora	V3	P3	Moderado	Moderado
Rua 13 de Maio	Centro	Coletora	V3	P3	Moderado	Moderado
Trevo 10 Novembro	Centro	Coletora	V3	P4	Moderado	Leve
Avenida Vanessa Cardoso Cardoso de Lira	Ipanema	Coletora	V3	P3	Moderado	Moderado
Rua 1	Loteamento Maria de Fátima	Coletora	V3	P4	Moderado	Leve
Avenida Castelo Branco	Loteamento Municipal	Coletora	V3	P3	Moderado	Moderado
Avenida Deolinda Martins	Maria Bastos	Coletora	V3	P2	Moderado	Intenso
Rua Graça Aranha	Santo Antonio	Coletora	V3	P3	Moderado	Moderado
Avenida Guanabara	São Francisco	Coletora	V3	P3	Moderado	Moderado
Avenida Deolinda Martins	Stº Antonio	Coletora	V3	P3	Moderado	Moderado
Rua João Cotrim	Adjacente	Local	V4	P4	Leve	Leve
Rua Solange Nascimento Ceará	Adjacente	Local	V4	P4	Leve	Leve
Rua Raimundo José Freire	Adjacente	Local	V4	P4	Leve	Leve
Travessa Raimundo José Freire	Adjacente	Local	V4	P4	Leve	Leve
Rua João Pompílio de Abreu	Aeroporto Velho	Local	V4	P4	Leve	Leve
Rua Afonso Pena	Aeroporto Velho	Local	V4	P4	Leve	Leve
Rua Henrique Dias	Aeroporto Velho	Local	V4	P4	Leve	Leve
Rua Lauro Freitas	Aeroporto Velho	Local	V4	P4	Leve	Leve
Rua Mário Teixeira	Aeroporto Velho	Local	V4	P4	Leve	Leve
Rua Paraguassú	Aeroporto Velho	Local	V4	P4	Leve	Leve
Prudente de Moraes	Aeroporto Velho	Local	V4	P4	Leve	Leve
Travessa Teixeira de Freitas	Aeroporto Velho	Local	V4	P4	Leve	Leve
Rua Teixeira de Freitas	Aeroporto Velho	Local	V4	P4	Leve	Leve
Rua Tomé de Souza	Aeroporto Velho	Local	V4	P4	Leve	Leve
Rua Eunir Fagundes	Alto Caicara	Local	V4	P4	Leve	Leve
Rua Joaquim Lima	Alto Caicara	Local	V4	P4	Leve	Leve
Rua Seis	Alto Caicara	Local	V4	P4	Leve	Leve
Rua 16	Alto Caicara	Local	V4	P4	Leve	Leve
Rua 17	Alto Caicara	Local	V4	P4	Leve	Leve
Rua Jucelino Pereira Donato	Alto Caicara	Local	V4	P4	Leve	Leve
Rua 12	Alto Caiçara	Local	V4	P3	Moderado	Moderado
Avenida Petronio Portela	Alvorada	Coletora	V4	P2	Intenso	Intenso
Avenida Durval de Souza Lima	Alvorada	Coletora	V4	P2	Intenso	Intenso
Rua Alcebiades Pereira Costa	Alvorada	Local	V4	P4	Leve	Leve
Rua Elísio José da Silva	Alvorada	Local	V4	P4	Leve	Leve

Praça João Pitor	Alvorada	Local	V4	P4	Leve	Leve
Praça dos Namorados	Alvorada	Local	V4	P4	Leve	Leve
Rua Manoel Cotrim	Alvorada	Local	V4	P4	Leve	Leve
Rua Maria da Glória Bezerra	Alvorada	Local	V4	P4	Leve	Leve
Rua Palmira Cardoso	Alvorada	Local	V4	P4	Leve	Leve
Avenida Petrônio Portela	Alvorada	Local	V4	P4	Leve	Leve
Rua Atílio Casemiro Castro	Alvorada	Local	V4	P4	Leve	Leve
Rua A	Amambai	Local	V4	P4	Leve	Leve
Rua B	Amambai	Local	V4	P4	Leve	Leve
Rua C	Amambai	Local	V4	P4	Leve	Leve
Rua D	Amambai	Local	V4	P4	Leve	Leve
Rua E	Amambai	Local	V4	P4	Leve	Leve
Rua F	Amambai	Local	V4	P4	Leve	Leve
Rua G	Amambai	Local	V4	P4	Leve	Leve
Rua H	Amambai	Local	V4	P4	Leve	Leve
Rua Filogonio Baleeiro	Ampliação Alto Caicara	Local	V4	P4	Leve	Leve
Rua Maria do Carmo Donato Teixeira	Ampliação Alto Caicara	Local	V4	P4	Leve	Leve
Rua Sergipe	Ampliação Alto Caicara	Local	V4	P4	Leve	Leve
Avenida Mato Grosso do Sul	Ampliação Alto Caicara	Local	V4	P4	Leve	Leve
Rua Sebastião Boa Sorte	Araújo	Local	V4	P4	Leve	Leve
Rua Adevaldo Araújo	Araújo	Local	V4	P4	Leve	Leve
Rua Alfredo Boa Sorte	Araújo	Local	V4	P4	Leve	Leve
Rua Antônio Teixeira Firmo	Araújo	Local	V4	P4	Leve	Leve
Rua Araújo	Araújo	Local	V4	P4	Leve	Leve
Rua Francisco M. Dantas	Araújo	Local	V4	P4	Leve	Leve
Rua Juvenia R.	Araújo	Local	V4	P4	Leve	Leve
Rua Tamandaré	Araújo	Local	V4	P4	Leve	Leve
Avenida Tiradentes	Araújo	Local	V4	P4	Leve	Leve
Rua Lindolfo F. Fagundes	Araújo	Local	V4	P4	Leve	Leve
Rua Tamandaré	Araújo	Local	V4	P4	Leve	Leve
Rua Tiradentes	Araújo	Local	V4	P4	Leve	Leve
Travessa Lindolfo Fagundes	Araújo	Local	V4	P4	Leve	Leve
Travessa Tamandaré	Araújo	Local	V4	P4	Leve	Leve
Rua Eunir Fagundes	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Antônio Rodrigues	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Jesulino Pereira Donato	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Maxuel do Nascimento Pereira	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Afonso Mendes	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Cândida Xavier dos Santos	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua José Batista de Araújo	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Maria Simone Reis	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Inácio Benedito Santos	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Antônio Medeiros da Silva	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Nicolau Fiuzza da Silva	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua 12	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua José Reinaldo Batista	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Genésio Pinto Paudarco	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Irmã Leonidia Polgagni	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Aldemar Paudarco da Silva	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua 18	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua José Crisostomo de Castro	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Mateus de Souza Guimarães	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Vereador Adão de Souza Oliveira	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Joaquim Lima	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Rio Grande do Sul	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Rio Grande do Norte	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Goiás	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Minas Gerais	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Rio Grande do Norte	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua José Maria Texeira	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Jesulino Pereira Donato	Alto Caiçara	Local	V4	P4	Leve	Leve
Rua Joaquim Fogaça Pereira	B.N.H.	Local	V4	P4	Leve	Leve
Rua 1	B.N.H.	Local	V4	P4	Leve	Leve
Rua Ângelo Pereira da Silva	B.N.H.	Local	V4	P4	Leve	Leve
Rua 3	B.N.H.	Local	V4	P4	Leve	Leve
Rua 4	B.N.H.	Local	V4	P4	Leve	Leve
Rua Maria de Lourdes Pereira da Silva	B.N.H.	Local	V4	P4	Leve	Leve
Rua José Manuel dos Santos	B.N.H.	Local	V4	P4	Leve	Leve
Rua José Antônio da Mota	B.N.H.	Local	V4	P4	Leve	Leve
Travessa 7	B.N.H.	Local	V4	P4	Leve	Leve
Rua Leonidia Maria Paes	B.N.H.	Local	V4	P4	Leve	Leve
Rua Rogério Alves Texeira	B.N.H.	Local	V4	P4	Leve	Leve
Rua 11	B.N.H.	Local	V4	P4	Leve	Leve
Rua 12	B.N.H.	Local	V4	P4	Leve	Leve
Rua Joaquim Fogaça Pereira	B.N.H.	Local	V4	P4	Leve	Leve
Rua 14	B.N.H.	Local	V4	P4	Leve	Leve
Rua Ailton Marques Pereira	B.N.H.	Local	V4	P4	Leve	Leve
Rua Maria do Carmo Borges	B.N.H.	Local	V4	P4	Leve	Leve
Rua 17	B.N.H.	Local	V4	P4	Leve	Leve
Rua 18	B.N.H.	Local	V4	P4	Leve	Leve

Rua Santo Augustinho	Beija Flor I	Local	V4	P4	Leve	Leve
Rua São Pedro	Beija Flor I	Local	V4	P4	Leve	Leve
Rua São José	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Deomidio Neves de Macedo Filho	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Bezerra de Menezes	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Emanuel	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Saul Quadros	Beija Flor I	Local	V4	P4	Leve	Leve
Rua José Francisco Marquezine Nunes	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Chico Mendes	Beija Flor I	Local	V4	P4	Leve	Leve
Rua José Neves Teixeira	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Monteiro Lobato	Beija Flor I	Coletora	V4	P3	Leve	Moderado
Rua André Luiz	Beija Flor I	Coletora	V4	P3	Leve	Moderado
Rua Djalma Mota Argolo	Beija Flor I	Coletora	V4	P3	Leve	Moderado
Rua Francisco Cândido Xavier	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Martinho Nascimento	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Djalma Motta Argolo	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Divaldo Pereira Franco	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Memei	Beija Flor I	Coletora	V4	P3	Leve	Moderado
Rua Allan Kardec	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Luiz Sérgio	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Edgar Espinola Texeira	Beija Flor I	Local	V4	P4	Leve	Leve
Praça Alvaro dos Santos Moreira "Lolozinho"	Beija Flor I	Local	V4	P4	Leve	Leve
Rua Diego dos Santos Barbosa	Beija Flor II	Local	V4	P4	Leve	Leve
Rua Dayane Pereira Lima	Beija Flor II	Local	V4	P4	Leve	Leve
Rua 3	Beija Flor II	Local	V4	P4	Leve	Leve
Rua 4	Beija Flor II	Local	V4	P4	Leve	Leve
Rua 5	Beija Flor II	Local	V4	P4	Leve	Leve
Rua Roberto Joege Hohenfeld Angelini	Beija Flor II	Local	V4	P4	Leve	Leve
Rua Armindo de Souza Oliveira	Beija Flor II	Local	V4	P4	Leve	Leve
Rua Armando Pinto Paudarco	Beija Flor II	Local	V4	P4	Leve	Leve
Rua Mauro Alves Lessa	Beija Flor II	Local	V4	P4	Leve	Leve
Rua Dalva Lima dos Santos	Beija Flor II	Local	V4	P4	Leve	Leve
Rua Antônio da Silva	Beija Flor II	Local	V4	P4	Leve	Leve
Rua 12	Beija Flor II	Coletora	V4	P3	Leve	Moderado
Rua Manoel Macário Pereira Nascimento	Beija Flor II	Coletora	V4	P3	Leve	Moderado
Rua Donato Pereira Nascimento	Beija Flor II	Coletora	V4	P3	Leve	Moderado
Rua 16	Beija Flor II	Local	V4	P4	Leve	Leve
Praça Juvencio Ribeiro Silva	Beija Flor II	Local	V4	P3	Moderado	Moderado
Rua Brasília	Bela Vista	Local	V4	P4	Leve	Leve
Rua Santa Catarina	Bela Vista	Local	V4	P4	Leve	Leve
Rua Heitor Dias	Bela Vista	Local	V4	P4	Leve	Leve
Rua Juarez Távora	Bela Vista	Local	V4	P4	Leve	Leve
Rua Otávio Mangabeira	Bela Vista	Local	V4	P4	Leve	Leve
Rua Paulo VI	Bela Vista	Local	V4	P4	Leve	Leve
Rua Pedro Calmon	Bela Vista	Local	V4	P4	Leve	Leve
Rua Porto Seguro	Bela Vista	Local	V4	P4	Leve	Leve
Rua Portugal	Bela Vista	Local	V4	P4	Leve	Leve
Rua Presidente Costa e Silva	Bela Vista	Local	V4	P4	Leve	Leve
Rua Princesa Isabel	Bela Vista	Local	V4	P4	Leve	Leve
Rua Sinésio Bastos	Bela Vista	Local	V4	P4	Leve	Leve
Rua Projetada	Bela Vista	Local	V4	P4	Leve	Leve
Travessa Buenos Aires	Bela Vista	Local	V4	P4	Leve	Leve
Avenida Sebastião Moreira de Almeida	Belo Horizonte	Local	V4	P4	Leve	Leve
Avenida Pedro Bráz Santos	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Leonor Pereira de Oliveira	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Sabino Aurelino Cotrim	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Iracy Pereira de Oliveira	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Ezequiel Francisco de Oliveira	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Augusta Pereira de Oliveira	Belo Horizonte	Local	V4	P4	Leve	Leve
Suedinei de Almeida Oliveira	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua H	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Galdino de Souza Viana	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua J	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua K	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua L	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua M	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua N	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Aureliano José Cotrim	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua P	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Q	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Isac Pereira dos Santos	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua S	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua T	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Sergipe	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Maria Joaquina	Belo Horizonte	Local	V4	P4	Leve	Leve
Aeroporto Isaac Moura Rocha	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua A - Belo Horizonte	Belo Horizonte	Local	V4	P4	Leve	Leve
Rodovia BR 030	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua C	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua D	Belo Horizonte	Local	V4	P4	Leve	Leve

Rua E	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Etenondas Pereira Donato	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua G	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Q	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua Vivi C Donato - Belo Horizonte	Belo Horizonte	Local	V4	P4	Leve	Leve
Rua 1	Betel	Coletora	V4	P4	Leve	Leve
Rua Saldanha	Bom Jesus	Local	V4	P4	Leve	Leve
Rua São Pedro	Bom Jesus	Local	V4	P4	Leve	Leve
Travessa Vicente de Paula	Bom Jesus	Local	V4	P4	Leve	Leve
Travessa Pedro Calmon	Bom Jesus	Local	V4	P3	Moderado	Moderado
Avenida Dr. José Humberto Nunes	Bom Jesus	Coletora	V4	P4	Leve	Leve
Rua Brasília	Bom Jesus	Local	V4	P4	Leve	Leve
Rua Vicente de Paula	Bom Jesus	Local	V4	P4	Leve	Leve
Rua Regis Pacheco	Bom Jesus	Local	V4	P4	Leve	Leve
Rua Jonas Rodrigues	Bom Jesus	Local	V4	P4	Leve	Leve
Rua Anísio Texeira	Bom Jesus	Local	V4	P4	Leve	Leve
Rua Otávio Mangabeira	Bom Jesus	Local	V4	P4	Leve	Leve
Rua Heitor Dias	Bom Jesus	Local	V4	P4	Leve	Leve
Rua Carijós	Bom Jesus	Local	V4	P4	Leve	Leve
Rua General Cordeiro Farias	Bom Jesus	Local	V4	P4	Leve	Leve
Rua Pedro Calmon	Bom Jesus	Local	V4	P4	Leve	Leve
Avenida Mato Grosso	Brasília	Local	V4	P4	Leve	Leve
Rua Pará	Brasília	Local	V4	P4	Leve	Leve
Rua Sergipe	Brasília	Local	V4	P4	Leve	Leve
Rua Jorge Paud'arco	Brasília	Local	V4	P4	Leve	Leve
Avenida José Neves Teixeira	Brasília	Local	V4	P4	Leve	Leve
Rua Ceará	Brasília	Local	V4	P4	Leve	Leve
Rua Filogonio Baleeiro	Brasília	Local	V4	P4	Leve	Leve
Rua Paraná	Brasília	Local	V4	P4	Leve	Leve
Rua Rio Grande do Norte	Brasília	Local	V4	P4	Leve	Leve
Rua Rio Grande do Sul	Brasília	Local	V4	P4	Leve	Leve
Avenida Bahia	Brasília	Local	V4	P4	Leve	Leve
Rua Joaquim Lima	Brasília	Local	V4	P4	Leve	Leve
Rua Maranhão	Brasília	Local	V4	P4	Leve	Leve
Rua Minas Gerais	Brasília	Local	V4	P4	Leve	Leve
Rua Paraíba	Brasília	Local	V4	P4	Leve	Leve
Rua Piauí	Brasília	Local	V4	P4	Leve	Leve
Avenida Prefeito José Neves Teixeira	Brasília	Local	V4	P4	Leve	Leve
Rua Rio Grande do Norte	Brasília	Local	V4	P4	Leve	Leve
Rua Rio Grande do Sul	Brasília	Local	V4	P4	Leve	Leve
Rua Joaquim Lima	Brasília	Local	V4	P4	Leve	Leve
Rua Jucelino Gomes Cardoso	Brindes	Local	V4	P4	Leve	Leve
Avenida A	Brindes	Local	V4	P4	Leve	Leve
Rua Camerindo Pereira Costa	Brindes	Local	V4	P4	Leve	Leve
Avenida Doutor Sandoval Moraes	Brindes	Local	V4	P4	Leve	Leve
Rua José Pereira Donato	Brindes	Local	V4	P4	Leve	Leve
Rua Juscelino Gomes Cardoso	Brindes	Local	V4	P4	Leve	Leve
Rua Manoel Botelho T da Silva	Brindes	Local	V4	P4	Leve	Leve
Avenida Nilo Coelho	Brindes	Local	V4	P4	Leve	Leve
Rua Otacilio Lopes	Brindes	Local	V4	P4	Leve	Leve
Avenida Paulo C Carvalho	Brindes	Local	V4	P4	Leve	Leve
Rua Tomaz Gonzaga	C	Local	V4	P4	Leve	Leve
Rua Dois - Caiçara	Caicara	Local	V4	P4	Leve	Leve
Rua Dois-Caicara	Caicara	Local	V4	P4	Leve	Leve
Rua José de Deus Pereira	Caicara	Local	V4	P4	Leve	Leve
Rua C	Candeal	Local	V4	P4	Leve	Leve
Rua Lindolfo Fagundes	Candeal	Local	V4	P4	Leve	Leve
Travessa João Cardoso	Casa	Local	V4	P4	Leve	Leve
Rua Tiradentes	Casa Nova	Local	V4	P4	Leve	Leve
Praça Jacinto Lobo	Cdentro	Local	V4	P4	Leve	Leve
Avenida Avenida Barão do Rio Branco	Centro	Arterial	V4	P3	Intenso	Moderado
Travessa 13 Maio	Centro	Local	V4	P3	Moderado	Moderado
Rua 2 de Julho	Centro	Local	V4	P4	Moderado	Leve
Rua 10 Novembro	Centro	Local	V4	P4	Leve	Leve
Rua 15 de Novembro	Centro	Local	V4	P4	Leve	Leve
Rua 2 de Julho N 34	Centro	Local	V4	P4	Leve	Leve
Rua 2 de Julho	Centro	Local	V4	P4	Leve	Leve
Praça 3 Getúlio Vargas	Centro	Local	V4	P4	Leve	Leve
Rua 3 Henrique Dias	Centro	Local	V4	P4	Leve	Leve
Praça 3 Jacinto Lobo	Centro	Local	V4	P4	Leve	Leve
Rua 3 Otávio Mangabeira	Centro	Local	V4	P4	Leve	Leve
Avenida 3 Santos Dumont	Centro	Local	V4	P4	Leve	Leve
Rua 3 Tomaz Antônio Gonzaga	Centro	Local	V4	P4	Leve	Leve
Avenida Senador Nilo Coelho, 360	Centro	Local	V4	P4	Leve	Leve
Avenida Barão do Rio Branco	Centro	Local	V4	P4	Leve	Leve
Praça Cajaiba	Centro	Local	V4	P4	Leve	Leve
Rua Camerino Neves	Centro	Local	V4	P4	Leve	Leve
Rua Casimiro de Abreu	Centro	Local	V4	P4	Leve	Leve
Rua Cassimiro Abreu	Centro	Local	V4	P4	Leve	Leve
Rua Catarina	Centro	Local	V4	P4	Leve	Leve

Travessa Cincinato Fernandes	Centro	Local	V4	P4	Leve	Leve
Praça Coronel Cajaiba	Centro	Local	V4	P4	Leve	Leve
Travessa Coronel Cajaiba	Centro	Local	V4	P4	Leve	Leve
Praça Coronel Pedro F de Moraes	Centro	Local	V4	P4	Leve	Leve
Rua Coronel Pedro Francisco Moraes	Centro	Local	V4	P4	Leve	Leve
Praça Coronel Pedro Francisco de Moraes	Centro	Local	V4	P4	Leve	Leve
Rua Coronel Zequinha	Centro	Local	V4	P4	Leve	Leve
Rua D Pedro II	Centro	Local	V4	P4	Leve	Leve
Rua Dez Novembro	Centro	Local	V4	P4	Leve	Leve
Rua Dois de Julho	Centro	Local	V4	P4	Leve	Leve
Rua Doutor Francisco José Fernandes	Centro	Local	V4	P4	Leve	Leve
Rua Doutor J J Seabra	Centro	Local	V4	P4	Leve	Leve
Rua Doutor Joaquim Manoel	Centro	Local	V4	P4	Leve	Leve
Travessa Doutor Joaquim Manoel	Centro	Local	V4	P4	Leve	Leve
Rua Doutor José Humberto Nunes	Centro	Local	V4	P4	Leve	Leve
Rua Duque de Caxias	Centro	Local	V4	P4	Leve	Leve
Travessa Edvarde de Castro Costa	Centro	Local	V4	P4	Leve	Leve
Travessa Edwards Castro Costa	Centro	Local	V4	P4	Leve	Leve
Rua Elvecio Martins	Centro	Local	V4	P4	Leve	Leve
Travessa Euclídes Cunha	Centro	Local	V4	P4	Leve	Leve
Rua Expedicionários	Centro	Local	V4	P4	Leve	Leve
Rua Francisco José Fernandes	Centro	Local	V4	P4	Leve	Leve
Praça Gercino Coelho	Centro	Local	V4	P4	Leve	Leve
Praça Gersino Coelho	Centro	Local	V4	P4	Leve	Leve
Praça Getúlio Vargas	Centro	Local	V4	P4	Leve	Leve
Rua Goiânia	Centro	Local	V4	P4	Leve	Leve
Rua Gustavo Bezerra	Centro	Local	V4	P4	Leve	Leve
Rua Henrique Dias	Centro	Local	V4	P4	Leve	Leve
Praça Henrique Pereira Donato	Centro	Local	V4	P4	Leve	Leve
Avenida Humberto Alencar Castelo Branco	Centro	Local	V4	P4	Leve	Leve
Rua Humberto de Campos 270 A 290	Centro	Local	V4	P4	Leve	Leve
Rua Humberto de Campos	Centro	Local	V4	P4	Leve	Leve
Travessa Humberto de Campos	Centro	Local	V4	P4	Leve	Leve
Rua I de Maio	Centro	Local	V4	P4	Leve	Leve
Travessa Independência	Centro	Local	V4	P4	Leve	Leve
Rua J J Seabra	Centro	Local	V4	P4	Leve	Leve
Praça Jacinto Lobo Mercadfo Municipal Pab	Centro	Local	V4	P4	Leve	Leve
Praça Jacinto Lobo	Centro	Local	V4	P4	Leve	Leve
Rua Jacinto Lobo	Centro	Local	V4	P4	Leve	Leve
Rua Joana Angelica	Centro	Local	V4	P4	Leve	Leve
Rua Joaquim José Seabra	Centro	Local	V4	P4	Leve	Leve
Travessa Joaquim Lessa	Centro	Local	V4	P4	Leve	Leve
Rua Joaquim Manoel	Centro	Local	V4	P4	Leve	Leve
Travessa Joaquim Manoel	Centro	Local	V4	P4	Leve	Leve
Travessa Joaquim Manoel	Centro	Local	V4	P4	Leve	Leve
Rua José Fernandes	Centro	Local	V4	P4	Leve	Leve
Praça José Ferreira	Centro	Local	V4	P4	Leve	Leve
Rua José Ferreira	Centro	Local	V4	P4	Leve	Leve
Travessa José Ferreira	Centro	Local	V4	P4	Leve	Leve
Rua José Vieira Costa	Centro	Local	V4	P4	Leve	Leve
Travessa Liberdade	Centro	Local	V4	P4	Leve	Leve
Praça Manoel Novaes	Centro	Local	V4	P4	Leve	Leve
Praça Manoel Novais	Centro	Local	V4	P4	Leve	Leve
Rua Manoel Vitorino	Centro	Local	V4	P4	Leve	Leve
Rua Marclício Dias	Centro	Local	V4	P4	Leve	Leve
Rua Maria Quitéria	Centro	Local	V4	P4	Leve	Leve
Rua Maria Regina Cardoso	Centro	Local	V4	P4	Leve	Leve
Rua Mário Teixeira	Centro	Local	V4	P4	Leve	Leve
Avenida Nilo Coelho	Centro	Local	V4	P4	Leve	Leve
Rua Olavo Bilac	Centro	Local	V4	P4	Leve	Leve
Praça Osvaldo Cruz	Centro	Local	V4	P4	Leve	Leve
Rua Osório	Centro	Local	V4	P4	Leve	Leve
Rua Otávio Mangabeira	Centro	Local	V4	P4	Leve	Leve
Rua Padre Liberato S/N Morrinhos	Centro	Local	V4	P4	Leve	Leve
Rua Pedro Francisco Moraes	Centro	Local	V4	P4	Leve	Leve
Praça Getúlio Vargas, 312	Centro	Local	V4	P4	Leve	Leve
Praça Praça Jacinto	Centro	Local	V4	P4	Leve	Leve
Praça Praça do Mercado Municipal Pavilhão	Centro	Local	V4	P4	Leve	Leve
Rua Primeiro Maio	Centro	Local	V4	P4	Leve	Leve
Rua Quinze Novembro	Centro	Local	V4	P4	Leve	Leve
Rua Riachuelo	Centro	Local	V4	P4	Leve	Leve
Rua Rio de Janeiro 65	Centro	Local	V4	P4	Leve	Leve
Rua Rio de Janeiro	Centro	Local	V4	P4	Leve	Leve
Rua Rua Cel Zequinha	Centro	Local	V4	P4	Leve	Leve
Rua Rui Barbosa	Centro	Local	V4	P4	Leve	Leve
Rua Santa Catarina	Centro	Local	V4	P4	Leve	Leve
Rua Santa Cruz	Centro	Local	V4	P4	Leve	Leve
Rua Santo Antônio	Centro	Local	V4	P4	Leve	Leve
Rua Satiro Dias	Centro	Local	V4	P4	Leve	Leve
Rua Sete Setembro	Centro	Local	V4	P4	Leve	Leve

Rua Silva Jardim	Centro	Local	V4	P4	Leve	Leve
Travessa Silva Jardim	Centro	Local	V4	P4	Leve	Leve
Rua Simões Filho	Centro	Local	V4	P4	Leve	Leve
Travessa São Paulo	Centro	Local	V4	P4	Leve	Leve
Praça Tancredo Neves	Centro	Local	V4	P4	Leve	Leve
Rua Teixeira de Freitas	Centro	Local	V4	P4	Leve	Leve
Rua Thomaz Gonzaga	Centro	Local	V4	P4	Leve	Leve
Travessa Thomaz Gonzaga	Centro	Local	V4	P4	Leve	Leve
Avenida Tiradentes	Centro	Local	V4	P4	Leve	Leve
Rua Tiradentes	Centro	Local	V4	P4	Leve	Leve
Rua Tomaz Antônio de Gonzaga	Centro	Local	V4	P4	Leve	Leve
Travessa Travessa da Concórdia	Centro	Local	V4	P4	Leve	Leve
Beco Travs Coronel Cajaiba	Centro	Local	V4	P4	Leve	Leve
Rua Ulpiano Amaral	Centro	Local	V4	P4	Leve	Leve
Rua Vasco Gama	Centro	Local	V4	P4	Leve	Leve
Travessa Vereador Edvard de Castro Costa	Centro	Local	V4	P4	Leve	Leve
Praça da Bandeira	Centro	Local	V4	P4	Leve	Leve
Travessa da Concórdia	Centro	Local	V4	P4	Leve	Leve
Travessa da Independencia	Centro	Local	V4	P4	Leve	Leve
Travessa da Independência	Centro	Local	V4	P4	Leve	Leve
Trevo da Liberdade	Centro	Local	V4	P4	Leve	Leve
Travessa da Liberdae	Centro	Local	V4	P4	Leve	Leve
Rua de Macaúbas	Centro	Local	V4	P4	Leve	Leve
Avenida do Rio Branco	Centro	Local	V4	P4	Leve	Leve
Rua do Rio Branco	Centro	Local	V4	P4	Leve	Leve
Travessa do Rio Branco	Centro	Local	V4	P4	Leve	Leve
Avenida Castelo Branco	Centro Industrial	Coletora	V4	P4	Leve	Leve
Rua 19	Centro Industrial	Local	V4	P4	Leve	Leve
Rua A	Centro Industrial	Local	V4	P4	Leve	Leve
Rodovia BR 030	Centro Industrial	Local	V4	P4	Leve	Leve
Rua Canavieiras	Centro Industrial	Local	V4	P4	Leve	Leve
Rodovia Guanambi Matina	Centro Industrial	Local	V4	P4	Leve	Leve
Rua Piratininga	Centro Industrial	Local	V4	P4	Leve	Leve
Avenida Presidente Castelo Branco	Centro Industrial	Local	V4	P4	Leve	Leve
Avenida Vereador Va Donato	Centro Industrial	Local	V4	P4	Leve	Leve
Praça Jacinto Lobo	Centro Mercado da Feira	Local	V4	P4	Leve	Leve
Rua Liberato	Centro Morrinho	Local	V4	P4	Leve	Leve
Rua Algaroba	Ceraima	Local	V4	P4	Leve	Leve
Rua Mato Grosso	Ceraima	Local	V4	P4	Leve	Leve
Rua da Caixa	Ceraima	Local	V4	P4	Leve	Leve
Rua 4	CJ Hab Guanambi I	Local	V4	P4	Leve	Leve
Avenida Governador Nilo Coelho	Condominio Empresarial e Industrial de Gua	Arterial	V4	P4	Intenso	Leve
Rua Oito - Deus Dara	Deus Dara	Local	V4	P4	Leve	Leve
Sítio Chalé do Lago	Distr de Ceraima	Local	V4	P4	Leve	Leve
Rua Donerio Cotrim	Distr de Morrinhos	Local	V4	P4	Leve	Leve
Rua D Pedro II	Distr de Mutans	Local	V4	P4	Leve	Leve
Rua Distrito de Mutans	Distr de Mutans	Local	V4	P4	Leve	Leve
Rua B -DISTRITO Industrial	Distrito Industrial	Local	V4	P4	Leve	Leve
Avenida Governador Nilo Coelho	Eco Spa	Arterial	V4	P2	Intenso	Intenso
Fazenda Gonçalo	Estrada Candiba	Local	V4	P4	Leve	Leve
Rua Afonso Mendes	Guanambi	Local	V4	P4	Leve	Leve
Rodovia BR 122	Guanambi	Local	V4	P4	Leve	Leve
Rua Paraguaçu	Guanambi	Local	V4	P4	Leve	Leve
Rua Tomaz Gonzaga	Guanambi	Local	V4	P4	Leve	Leve
Rua Zequinha	Guanambi	Local	V4	P4	Leve	Leve
Avenida Castelo Branco	Industrial	Coletora	V4	P4	Leve	Leve
Travessa Manoel Branco	Industrial	Local	V4	P4	Leve	Leve
Rua 2	Industrial	Local	V4	P4	Leve	Leve
Rua Antônio Vieira	Industrial	Local	V4	P4	Leve	Leve
Rua B	Industrial	Local	V4	P4	Leve	Leve
Avenida Presidente Castelo Branco	Industrial	Local	V4	P4	Leve	Leve
Rua Valdir Pereira	Industrial	Local	V4	P4	Leve	Leve
Rua Alcebíades Pereia Costa	Ipiranga	Local	V4	P4	Leve	Leve
Rua Elizio José da Silva	Ipiranga	Local	V4	P4	Leve	Leve
Avenida Gerson Badaró	Ipiranga	Local	V4	P4	Leve	Leve
Loteamento Ipiranga	Ipiranga	Local	V4	P4	Leve	Leve
Rua João Farias Cotrim	Ipiranga	Local	V4	P4	Leve	Leve
Rua João Farias	Ipiranga	Local	V4	P4	Leve	Leve
Rua João Pereira Cotrim	Ipiranga	Local	V4	P4	Leve	Leve
Rua Manoel Cotrim	Ipiranga	Local	V4	P4	Leve	Leve
Rua Palmira Cardoso	Ipiranga	Local	V4	P4	Leve	Leve
Avenida Valdir Pires	Ipiranga	Local	V4	P4	Leve	Leve
Rua Niterói	Jd S Joao	Local	V4	P4	Leve	Leve
Rua Guilherme Vieira	Jd SAO Joao	Local	V4	P4	Leve	Leve
Rua Ana Amélia Castro	Lagoinha	Local	V4	P4	Leve	Leve
Rua Ana Amélia Pereira de Castro	Lagoinha	Local	V4	P4	Leve	Leve
Rua João Antônio Nogueira	Lagoinha	Local	V4	P4	Leve	Leve
Rua Juvêncio Rocha Fernandes	Lagoinha	Local	V4	P4	Leve	Leve
Rua Lindolfo F Fagundes	Lagoinha	Local	V4	P4	Leve	Leve
Avenida Tiradentes	Lagoinha	Local	V4	P4	Leve	Leve

Rua de Souza Teixeira	Lagoinha	Local	V4	P4	Leve	Leve
Avenida Barão 122	Leocadia	Local	V4	P4	Leve	Leve
Rua A - Lot Liberdade	Lot. Liberdade	Local	V4	P4	Leve	Leve
Rua 1	Loteamento Betel	Coletora	V4	P4	Leve	Leve
Avenida Castelo Branco	Loteamento Complemento São João Hemag	Coletora	V4	P4	Leve	Leve
Rua 12	Loteamento Sandoval Moraes 1	Local	V4	P4	Leve	Leve
Rua Doutor José F M Nunes	Lotm Beija Flor	Local	V4	P4	Leve	Leve
Rua Saul Quadros - Beija-Flor	Lotm Beija Flor	Local	V4	P4	Leve	Leve
Rua Dez	Lotm Leolina de Sa	Local	V4	P4	Leve	Leve
Rua Seis - Leolina de Sa	Lotm Leolina de Sa	Local	V4	P4	Leve	Leve
Rua Manoel Gil da Silva - L M Bastos	Lotm Maria Bastos	Local	V4	P4	Leve	Leve
Rua Atilio Pereira de Oliveira	Lotm Sandoval Moraes	Local	V4	P4	Leve	Leve
Rua Belarmino Lessa	Maraba	Local	V4	P4	Leve	Leve
Rua João Cardoso	Maraba	Local	V4	P4	Leve	Leve
Rua Niterói	Maraba	Local	V4	P4	Leve	Leve
Rua Pernambuco	Maraba	Local	V4	P4	Leve	Leve
Rua Cassimiro de Abreu	Monte Pascoal	Local	V4	P4	Leve	Leve
Rua Tomé Souza	Monte Pascoal	Local	V4	P4	Leve	Leve
Rua Euripedes Barsanulfo	Morada Nova	Local	V4	P4	Leve	Leve
Rua Otávio Mangabeira	Morada Nova	Local	V4	P4	Leve	Leve
Rua Santo Agostinho	Morada Nova	Local	V4	P4	Leve	Leve
Rua Joaquim Normanha	Morrinhos	Local	V4	P4	Leve	Leve
Rua Juvêncio Xavier	Morrinhos	Local	V4	P4	Leve	Leve
Rua Leolino Castro	Morrinhos	Local	V4	P4	Leve	Leve
Rua Maria Joaquina	Morrinhos	Local	V4	P4	Leve	Leve
Rua Sebastião Francisco Paes	Morrinhos	Local	V4	P4	Leve	Leve
Rua 3 Adolfo Amorim	MTE Pascoal	Local	V4	P4	Leve	Leve
Rua Acelino Andrare	MTE Pascoal	Local	V4	P4	Leve	Leve
Rua Angelino de Andrade	MTE Pascoal	Local	V4	P4	Leve	Leve
Rua João Pompilio Abreu	MTE Pascoal	Local	V4	P4	Leve	Leve
Rua 3 Otávio Mangabeira	Mutans	Local	V4	P4	Leve	Leve
Rodovia BA 612	Mutans	Local	V4	P4	Leve	Leve
Rua Castro Alves	Mutans	Local	V4	P4	Leve	Leve
Rua Distrito de Mutans	Mutans	Local	V4	P4	Leve	Leve
Rua Guaranesia	Mutans	Local	V4	P4	Leve	Leve
Rua Jaques Baleeiro	Mutans	Local	V4	P4	Leve	Leve
Praça Joaquim Prates	Mutans	Local	V4	P4	Leve	Leve
Rua José Rocha	Mutans	Local	V4	P4	Leve	Leve
Rua Tancredo Neves	Mutans	Local	V4	P4	Leve	Leve
Rua Tiradentes	Mutans	Local	V4	P4	Leve	Leve
Rua da Matriz	Mutans	Local	V4	P4	Leve	Leve
Praça do Mercado	Mutans	Local	V4	P4	Leve	Leve
Rua 3	Nossa Senhora Aparecida	Local	V4	P4	Leve	Leve
Rodovia BR 030	Nova Olinda	Local	V4	P4	Leve	Leve
Avenida Vereador Va Donato	Nova Olinda	Local	V4	P4	Leve	Leve
Rua Bartolomeu Dias	Novo Horizonte	Local	V4	P4	Leve	Leve
Avenida Juscelino Kubitschek	Novo Horizonte	Local	V4	P4	Leve	Leve
Rua Odimiro Brito	Novo Horizonte	Local	V4	P4	Leve	Leve
Rua Padre Manoel Nóbrega	Novo Horizonte	Local	V4	P4	Leve	Leve
Avenida Presidente Dutra	Novo Horizonte	Local	V4	P4	Leve	Leve
Rua da Caixa D'Água	Nuc de Ceraima	Local	V4	P4	Leve	Leve
Rua Presidente Juscelino Kubstcheck	Nuc Hab DR Beneval Boa Sorte	Local	V4	P4	Leve	Leve
Praça Antônio Primo Costa	Paraíso	Local	V4	P4	Leve	Leve
Rua Anísio Cotrin Fernandes	Paraíso	Local	V4	P4	Leve	Leve
Rua Anísio Teixeira	Paraíso	Local	V4	P4	Leve	Leve
Avenida Bejamin Constant	Paraíso	Local	V4	P4	Leve	Leve
Rua Bernardo Guimarães	Paraíso	Local	V4	P4	Leve	Leve
Rua Carijós	Paraíso	Local	V4	P4	Leve	Leve
Rua Doutor José Humberto Nunes	Paraíso	Local	V4	P4	Leve	Leve
Rua Jonas Rodrigues	Paraíso	Local	V4	P4	Leve	Leve
Rua José Humberto Nunes	Paraíso	Local	V4	P4	Leve	Leve
Rua Juarez Távora	Paraíso	Local	V4	P4	Leve	Leve
Contorno Leste Terminal Rodoviário	Paraíso	Local	V4	P4	Leve	Leve
Rua Levindo Garcia Leal	Paraíso	Local	V4	P4	Leve	Leve
Rua Lima Barreto	Paraíso	Local	V4	P4	Leve	Leve
Rua Lino Teixeira	Paraíso	Local	V4	P4	Leve	Leve
Rua O - Paraíso	Paraíso	Local	V4	P4	Leve	Leve
Rua Otávio Mangabeira	Paraíso	Local	V4	P4	Leve	Leve
Rua Pedro Calmon	Paraíso	Local	V4	P4	Leve	Leve
Avenida Prefeito José Neves Teixeira	Paraíso	Local	V4	P4	Leve	Leve
Travessa Prefeito José Neves Texeira	Paraíso	Local	V4	P4	Leve	Leve
Rua Professora Elza C Vieira	Paraíso	Local	V4	P4	Leve	Leve
Rua Régis Pacheco	Paraíso	Local	V4	P4	Leve	Leve
Travessa Régis Pacheco	Paraíso	Local	V4	P4	Leve	Leve
Rua São Pedro	Paraíso	Local	V4	P4	Leve	Leve
Rua U	Paraíso	Local	V4	P4	Leve	Leve
Rua Vereador Lino Teixeira	Paraíso	Local	V4	P4	Leve	Leve
Travessa Vicente Paula	Paraíso	Local	V4	P4	Leve	Leve
Rua Vicente de Paula	Paraíso	Local	V4	P4	Leve	Leve
Rua Anísio Teixeira	Paraíso	Local	V4	P4	Leve	Leve

Rua Vicente de Paula	Paraizo	Local	V4	P4	Leve	Leve
Avenida Governador Nilo Coelho	Park Boulevard	Arterial	V4	P2	Intenso	Intenso
Praça Generaldo Teixeira	Parraiso	Local	V4	P4	Leve	Leve
Rua Alta de Souza	Por do Sol	Local	V4	P4	Leve	Leve
Rua C	Prq Industrial	Local	V4	P4	Leve	Leve
Avenida José Humberto Nunes	S Fran	Local	V4	P4	Leve	Leve
Rua Armindo Dias Moreira	S Francisco	Local	V4	P4	Leve	Leve
Rua Deoclécio de Andrade	S Francisco	Local	V4	P4	Leve	Leve
Rua Deocreciano Andrade	S Francisco	Local	V4	P4	Leve	Leve
Rua Eustógio Costa	S Francisco	Local	V4	P4	Leve	Leve
Rua Ferreira	S Francisco	Local	V4	P4	Leve	Leve
Rua Jesuino Alves	S Francisco	Local	V4	P4	Leve	Leve
Avenida Joaquim Dias Guimarães	S Francisco	Local	V4	P4	Leve	Leve
Rua Joaquim Dias Guimarães	S Francisco	Local	V4	P4	Leve	Leve
Rua José Humberto Nunes	S Francisco	Local	V4	P4	Leve	Leve
Rua Luiz Teixeira	S Francisco	Local	V4	P4	Leve	Leve
Rua Rodrigues Alves	S Francisco	Local	V4	P4	Leve	Leve
Rua Teobaldo Andrade	S Francisco	Local	V4	P4	Leve	Leve
Rua Valdimir Pereira	S Francisco	Local	V4	P4	Leve	Leve
Avenida do Rio Branco	S Francisco	Local	V4	P4	Leve	Leve
Rua do Rio Branco	S Francisco	Local	V4	P4	Leve	Leve
Rua Hemetério Cardoso	S Joao	Local	V4	P4	Leve	Leve
Rua Brulino Pereira Donato	S Sebastiao	Local	V4	P4	Leve	Leve
Rua Ulisses Guimarães	S Sebastiao	Local	V4	P4	Leve	Leve
Rua Delci Fogaça Fagundes	Sandoval Moraes	Local	V4	P4	Leve	Leve
Avenida Prefeito José Neves Teixeira	Sandoval Moraes II	Local	V4	P4	Leve	Leve
Rua Sete	Santa Catarina	Local	V4	P4	Leve	Leve
Rua Pernambuco	Santa Luzia	Local	V4	P4	Leve	Leve
Rua Joaquim Chaves	Santo Antônio	Local	V4	P4	Leve	Leve
Rua Ayrton Senna	SAO Francisco	Local	V4	P4	Leve	Leve
Rua Benjamin Vieira Costa	SAO Francisco	Local	V4	P4	Leve	Leve
Rua Domingos Antônio Teixeira	sao Francisco	Local	V4	P4	Leve	Leve
Rua Doutor José Humberto Nunes	SAO Francisco	Local	V4	P4	Leve	Leve
Rua F	SAO Francisco	Local	V4	P4	Leve	Leve
Rua G	SAO Francisco	Local	V4	P4	Leve	Leve
Rua João Nunes Dourado	SAO Francisco	Local	V4	P4	Leve	Leve
Rua Rogaciano Francisco de Moraes	SAO Francisco	Local	V4	P4	Leve	Leve
Rua da Integração	SAO Francisco	Local	V4	P4	Leve	Leve
Rua Senador Nilo Coelho	São Francisco	Local	V4	P4	Leve	Leve
Rua Urbino Pereira Donato	São Francisco	Local	V4	P4	Leve	Leve
Loteamento São João	SAO Joao	Local	V4	P4	Leve	Leve
Rua Almir Fagundes Neves	SAO Jose	Local	V4	P4	Leve	Leve
Rua Amazonas	SAO Jose	Local	V4	P4	Leve	Leve
Rua Nova Olinda	SAO Jose	Local	V4	P4	Leve	Leve
Rua Rua Só Pedro	SAO Jose	Local	V4	P4	Leve	Leve
Rua São José	SAO Jose	Local	V4	P4	Leve	Leve
Praça São João	SAO Jose	Local	V4	P4	Leve	Leve
Rua Vereador Va Donato	SAO Jose	Local	V4	P4	Leve	Leve
Rodovia BR 030	SAO Sebastiao	Local	V4	P4	Leve	Leve
Rua São Bernardes	SAO Sebastiao	Local	V4	P4	Leve	Leve
Praça 3 Getúlio Vargas	Sede	Local	V4	P4	Leve	Leve
Rodovia BR 030	Sede	Local	V4	P4	Leve	Leve
Estrada Barão 030	Sede	Local	V4	P4	Leve	Leve
Estrada Barão 030 Km 6	Sede	Local	V4	P4	Leve	Leve
Praça Getúlio Vargas	Sede	Local	V4	P4	Leve	Leve
Rua Otávio Mangabeira	Sede	Local	V4	P4	Leve	Leve
Rua Rui Barbosa	Sede	Local	V4	P4	Leve	Leve
Rua Sítio Vomita Mel	Sit Vomita Mel	Local	V4	P4	Leve	Leve
Avenida Ceraima	Sol Nascente	Local	V4	P4	Leve	Leve
Avenida Prefeito José Neves Teixeira	Sossego	Local	V4	P4	Leve	Leve
Rua 6	STA Catarina	Local	V4	P4	Leve	Leve
Rua Adélia Moreira Prates	STA Catarina	Local	V4	P4	Leve	Leve
Rua Leôncio Rodrigues Silva	STA Catarina	Local	V4	P4	Leve	Leve
Rua Nice Amaral Baleeiro	Stª Catarina	Local	V4	P4	Moderado	Leve
Rua Vanda Neves Freitas	Stª Catarina	Local	V4	P4	Leve	Leve
Rua Athur Bernardes	STA Luzia	Local	V4	P4	Leve	Leve
Rua Canadá	STA Luzia	Local	V4	P4	Leve	Leve
Rua João Meira	STA Luzia	Local	V4	P4	Leve	Leve
Rua João Pompílio Abreu	STA Luzia	Local	V4	P4	Leve	Leve
Rua Niterói	STA Luzia	Local	V4	P4	Leve	Leve
Rua Enedino Malheiros	Stª Luzia	Local	V4	P4	Leve	Leve
Rua Paraguassú	Stª Luzia	Local	V4	P4	Leve	Leve
Rua E	STO Andre	Local	V4	P4	Leve	Leve
Rua E	STO Andre	Local	V4	P4	Leve	Leve
Rua João Hemetério	STO Andre	Local	V4	P4	Leve	Leve
Rua 3 Leonídio Boa Sorte	STO Antonio	Local	V4	P4	Leve	Leve
Rodovia BR 122	STO Antonio	Local	V4	P4	Leve	Leve
Rua Boa Esperança	STO Antonio	Local	V4	P4	Leve	Leve
Rua Guilhrme de Almeida	STO Antonio	Local	V4	P4	Leve	Leve
Rua Nelson Bastos	STO Antonio	Local	V4	P4	Leve	Leve

Rua Quintino Bocaiuva	STO Antonio	Local	V4	P4	Leve	Leve
Rua Troiano de Freitas	STO Antonio	Local	V4	P4	Leve	Leve
Rua Deolinda Martins	Stº Antonio	Local	V4	P4	Leve	Leve
Avenida Doutor Sandoval Moraes	Stº Antonio	Local	V4	P4	Leve	Leve
Rua Franco Cardoso	Stº Antonio	Local	V4	P4	Leve	Leve
Rua Hermes da Fonseca	Stº Antonio	Local	V4	P4	Leve	Leve
Rua Joaquim Chaves	Stº Antonio	Local	V4	P4	Leve	Leve
Rua José Fagundes	Stº Antonio	Local	V4	P4	Leve	Leve
Rua Leonídio Boa Sorte	Stº Antonio	Local	V4	P4	Leve	Leve
Rua Alice Bezerra Lacerda	Vasconcelos	Local	V4	P4	Leve	Leve
Rua Joaquim Domingos de Souza	Vasconcelos	Local	V4	P4	Leve	Leve
Rua José Alves Pereira	Vasconcelos	Local	V4	P4	Leve	Leve
Rua João Antônio Nogueira	Vasconcelos	Local	V4	P4	Leve	Leve
Rua Ovidio dos Santos	Vila Nova	Local	V4	P4	Leve	Leve
Rua Gercino Coelho	VI de Morrinhos	Local	V4	P4	Leve	Leve
Rua Tamandaré	VI N	Local	V4	P4	Leve	Leve
Rua Castro Alves	VI Nova	Local	V4	P4	Leve	Leve
Rua José Bonifácio	VI Nova	Local	V4	P4	Leve	Leve
Rua Osvaldo Aranha	VI Nova	Local	V4	P4	Leve	Leve
Rua Ovidio dos Sanos	VI Nova	Local	V4	P4	Leve	Leve
Rua Tamandaré	VI Nova	Local	V4	P4	Leve	Leve
Avenida Tiradentes	VI Nova	Local	V4	P4	Leve	Leve
Rua Tiradentes	VI Nova	Local	V4	P4	Leve	Leve
Rua Ana Angélica	Vomita Mel	Local	V4	P4	Leve	Leve
Rua Floriano Peixoto	Vomita Mel	Local	V4	P4	Leve	Leve
Rua José Bastos	Vomita Mel	Local	V4	P4	Leve	Leve
Rua José de Anchieta	Vomita Mel	Local	V4	P4	Leve	Leve
Rua Marechal Floriano Peixoto	Vomita Mel	Local	V4	P4	Leve	Leve
Rua Medeiros	Vomita Mel	Local	V4	P4	Leve	Leve
Rua Mem de Sa	Vomita Mel	Local	V4	P4	Leve	Leve
Rua Men de Sa	Vomita Mel	Local	V4	P4	Leve	Leve
Rua Plínio Salgado	Vomita Mel	Local	V4	P4	Leve	Leve
Rua Tobias Barreto	Vomita Mel	Local	V4	P4	Leve	Leve
Rua de Macaúbas	Vomita Mel	Local	V4	P4	Leve	Leve
Rua de Ouro Branco	Vomita Mel	Local	V4	P4	Leve	Leve
Rua de Ouro Preto	Vomita Mel	Local	V4	P4	Leve	Leve
Rua Barão de Macaúbas	Vomitamel	Local	V4	P4	Leve	Leve
Rua Benjamin Vieira Costa	Vomitamel	Local	V4	P4	Leve	Leve
Rua Deodoro da Fonseca	Vomitamel	Local	V4	P4	Leve	Leve
Rua Otacílio Pereira Donato	Vomitamel	Local	V4	P4	Leve	Leve
Avenida Durval de Souza Lima	Ypiranga	Local	V4	P4	Leve	Leve
Avenida Ypiranga	Ypiranga	Local	V4	P4	Leve	Leve
Rodovia BR 030 Km 07	Zn Rural	Local	V4	P4	Leve	Leve
Rodovia BR 135 Km 17	Zn Rural	Local	V4	P4	Leve	Leve
Estrada Barão 030	Zn Rural	Local	V4	P4	Leve	Leve
Estrada Barão 122	Zn Rural	Local	V4	P4	Leve	Leve
Estrada Barão 122 Km 03	Zn Rural	Local	V4	P4	Leve	Leve
Fazenda Caiçara	Zn Rural	Local	V4	P4	Leve	Leve
Rodovia Guanambi Ceraima	Zn Rural	Local	V4	P4	Leve	Leve
Estrada Velha de MUTANS, Km 01	Zn Rural	Local	V4	P4	Leve	Leve
Estrada da Fazenda Carnaíba de Dentro	Zn Rural	Local	V4	P4	Leve	Leve
Rodovia Guanambi - Monte ALTO, Km 02	Zn Urbana	Local	V4	P4	Leve	Leve
Rua 2 de Julho		Local	V4	P4	Leve	Leve
Rua 6 Lotm Alto Caiçara		Local	V4	P4	Leve	Leve
Rua Adolfo Amorim		Local	V4	P4	Leve	Leve
Rua Agenor Santos		Local	V4	P4	Leve	Leve
Rua Aloísio Azevedo		Local	V4	P4	Leve	Leve
Rua Ana Angélica		Local	V4	P4	Leve	Leve
Rua Anísio Teixeira		Local	V4	P4	Leve	Leve
Rua Aracaju		Local	V4	P4	Leve	Leve
Rua Arthur Bernardes		Local	V4	P4	Leve	Leve
Avenida BARAO DO RIO BRANCO		Local	V4	P4	Leve	Leve
Avenida BARAO DO RIO BRANCO		Local	V4	P4	Leve	Leve
Rodovia Barão 030 0		Local	V4	P4	Leve	Leve
Rodovia Barão 030		Local	V4	P4	Leve	Leve
Rodovia Barão 122 0		Local	V4	P4	Leve	Leve
Rua Barão de Macaúbas		Local	V4	P4	Leve	Leve
Avenida Barão do Rio Branco		Local	V4	P4	Leve	Leve
Avenida Barão do Rio Branco		Local	V4	P4	Leve	Leve
Rua Bela Flor		Local	V4	P4	Leve	Leve
Rua Belarmino Lessa		Local	V4	P4	Leve	Leve
Avenida Beneval Boa Sorte		Local	V4	P4	Leve	Leve
Rua Benjamin Vieira Costa		Local	V4	P4	Leve	Leve
Rua Benvindo Dias		Local	V4	P4	Leve	Leve
Rua Benvindo Dias		Local	V4	P4	Leve	Leve
Rua Bernardo Guimarães		Local	V4	P4	Leve	Leve
Rua Bezerra de Menezes		Local	V4	P4	Leve	Leve
Avenida Br Rio Branco		Local	V4	P4	Leve	Leve
Rodovia Br-030		Local	V4	P4	Leve	Leve
Rua Br. de Macaúbas		Local	V4	P4	Leve	Leve

Avenida Br. do Rio Branco		Local	V4	P4	Leve	Leve
Rua Cassimiro de Abreu		Local	V4	P4	Leve	Leve
Rua Catarina		Local	V4	P4	Leve	Leve
Rua Cel. Zequinha		Local	V4	P4	Leve	Leve
Travessa Cincinato Fernandes		Local	V4	P4	Leve	Leve
Rua Coronel Zequinha		Local	V4	P4	Leve	Leve
Rua D Pedro II		Local	V4	P4	Leve	Leve
Travessa Da Liberdade		Local	V4	P4	Leve	Leve
Rua Delfim Moreira		Local	V4	P4	Leve	Leve
Rua Deocrécio de Andrade		Local	V4	P4	Leve	Leve
Rua Dez de Novembro		Local	V4	P4	Leve	Leve
Rua Dois		Local	V4	P4	Leve	Leve
Rua Dois de Julho		Local	V4	P4	Leve	Leve
Rua Domingos Antônio Teixeira		Local	V4	P4	Leve	Leve
Rua Dos Expedicionários		Local	V4	P4	Leve	Leve
Rua Doutor Francisco Fernandes		Local	V4	P4	Leve	Leve
Rua Doutor José Humberto Nunes		Local	V4	P4	Leve	Leve
Avenida Doutor Sandoval Moraes		Local	V4	P4	Leve	Leve
Rua Dr. José Humberto Nunes		Local	V4	P4	Leve	Leve
Rua Duque de Caxias		Local	V4	P4	Leve	Leve
Rua Eluécio Martins		Local	V4	P4	Leve	Leve
Rua Espírito Santo		Local	V4	P4	Leve	Leve
Rua Espírito Santos		Local	V4	P4	Leve	Leve
Travessa Euclides da Cunha		Local	V4	P4	Leve	Leve
Rua Eustógio Costa		Local	V4	P4	Leve	Leve
Rua F		Local	V4	P4	Leve	Leve
Rua Felipe dos Santos		Local	V4	P4	Leve	Leve
Rua General Cordeiro Farias		Local	V4	P4	Leve	Leve
Rua General Osório		Local	V4	P4	Leve	Leve
Praça Gercino Coelho		Local	V4	P4	Leve	Leve
Praça Getúlio Vargas		Local	V4	P4	Leve	Leve
Praça Getúlio Vargas		Local	V4	P4	Leve	Leve
Rua Goiás		Local	V4	P4	Leve	Leve
Rua Guilherme Vieira		Local	V4	P4	Leve	Leve
Rua Gustavo Bezerra		Local	V4	P4	Leve	Leve
Rua Helvecio Martins		Local	V4	P4	Leve	Leve
Rua Henrique Dias		Local	V4	P4	Leve	Leve
Rua Henrique Dias		Local	V4	P4	Leve	Leve
Praça Henrique Donato		Local	V4	P4	Leve	Leve
Rua Humberto de Campos		Local	V4	P4	Leve	Leve
Rua I		Local	V4	P4	Leve	Leve
Travessa Independência		Local	V4	P4	Leve	Leve
Travessa Independência		Local	V4	P4	Leve	Leve
Travessa JOAQUIM LESSA		Local	V4	P4	Leve	Leve
Rua JOSE REGINALDO		Local	V4	P4	Leve	Leve
Rua Joana Angélica		Local	V4	P4	Leve	Leve
Rua Joao de Morrinhos		Local	V4	P4	Leve	Leve
Rua Joaquim Chaves		Local	V4	P4	Leve	Leve
Rua Joaquim Dias Guimarães		Local	V4	P4	Leve	Leve
Rua Joaquim Dias Guimarães		Local	V4	P4	Leve	Leve
Rua Joaquim Dias Guimarães		Local	V4	P4	Leve	Leve
Rua Joaquim Manoel		Local	V4	P4	Leve	Leve
Rua Joaquim Manoel		Local	V4	P4	Leve	Leve
Praça José Ferreira		Local	V4	P4	Leve	Leve
Travessa José Ferreira		Local	V4	P4	Leve	Leve
Avenida José Humberto Nunes		Local	V4	P4	Leve	Leve
Avenida José Humberto Nunes		Local	V4	P4	Leve	Leve
Rua João Cardoso		Local	V4	P4	Leve	Leve
Rua João Pompílio de Abreu		Local	V4	P4	Leve	Leve
Rua Jucelino Kubitschek		Local	V4	P4	Leve	Leve
Rua Lauro de Freitas		Local	V4	P4	Leve	Leve
Rua Lindolfo Nunes		Local	V4	P4	Leve	Leve
Rua Major Ferreira		Local	V4	P4	Leve	Leve
Rua Manoel Vitorino		Local	V4	P4	Leve	Leve
Rua Marcílio Dias		Local	V4	P4	Leve	Leve
Rua Maria Quitéria		Local	V4	P4	Leve	Leve
Rua Maria Quitéria		Local	V4	P4	Leve	Leve
Rua Maria da Gloria Bezerra 223		Local	V4	P4	Leve	Leve
Rua Matina		Local	V4	P4	Leve	Leve
Rua Medeiros Neto		Local	V4	P4	Leve	Leve
Rua Mello Moraes Filho		Local	V4	P4	Leve	Leve
Rua Niterói		Local	V4	P4	Leve	Leve
Rua Nova Olinda		Local	V4	P4	Leve	Leve
Rua Olavo Bilac		Local	V4	P4	Leve	Leve
Travessa Osvaldo 11 Centro		Local	V4	P4	Leve	Leve
Rua Osvaldo Aranha		Local	V4	P4	Leve	Leve
Travessa Osvaldo Cruz		Local	V4	P4	Leve	Leve
Rua Otacílio Donato		Local	V4	P4	Leve	Leve
Rua Otávio Mangabeira		Local	V4	P4	Leve	Leve
Rua Palmira Cardoso		Local	V4	P4	Leve	Leve

Rua Pedro Soares		Local	V4	P4	Leve	Leve
Avenida Petrônio Portela		Local	V4	P4	Leve	Leve
Avenida Petrônio Portela		Local	V4	P4	Leve	Leve
Rua Pimeiro de Maio		Local	V4	P4	Leve	Leve
Avenida Pref. José Neves Teixeira		Local	V4	P4	Leve	Leve
Avenida Prefeito José Neves Teixeira		Local	V4	P4	Leve	Leve
Avenida Presidente Castelo Branco		Local	V4	P4	Leve	Leve
Avenida Presidente Dutra		Local	V4	P4	Leve	Leve
Rua Quinze de Novembro		Local	V4	P4	Leve	Leve
Rua Riachuelo		Local	V4	P4	Leve	Leve
Rua Rio de Janeiro		Local	V4	P4	Leve	Leve
Rua Rui Barbosa		Local	V4	P4	Leve	Leve
Rua S Bento		Local	V4	P4	Leve	Leve
Rua SEBASTIAO BOA SORTE		Local	V4	P4	Leve	Leve
Rua Santa Catarina		Local	V4	P4	Leve	Leve
Rua Satiro Dias		Local	V4	P4	Leve	Leve
Rua Sebastiao Francisco Paes		Local	V4	P4	Leve	Leve
Rua Sta. Catarina		Local	V4	P4	Leve	Leve
Avenida São João		Local	V4	P4	Leve	Leve
Avenida São João		Local	V4	P4	Leve	Leve
Rua Tancredo Neves		Local	V4	P4	Leve	Leve
Rua Teixeira de Freitas		Local	V4	P4	Leve	Leve
Rua Teotônio Pereira		Local	V4	P4	Leve	Leve
Avenida Tiradentes		Local	V4	P4	Leve	Leve
Travessa Tiradentes		Local	V4	P4	Leve	Leve
Rua Tobias Barreto		Local	V4	P4	Leve	Leve
Rua Tomaz Gonzaga		Local	V4	P4	Leve	Leve
Rua Tomé de Souza		Local	V4	P4	Leve	Leve
Rua Treze de Maio		Local	V4	P4	Leve	Leve
Rua Valdemir Pereira		Local	V4	P4	Leve	Leve
Avenida Valdir Pires		Local	V4	P4	Leve	Leve
Rua Vasco da Gama		Local	V4	P4	Leve	Leve
Estrada Velha de Candiba		Local	V4	P4	Leve	Leve
Travessa Vereador Edvard Castro Costa		Local	V4	P4	Leve	Leve
Rua Vicente de Paula		Local	V4	P4	Leve	Leve
Travessa Vicente de Paula		Local	V4	P4	Leve	Leve
Rua Vieira de Melo		Local	V4	P4	Leve	Leve
Rua Visconde Ouro Preto		Local	V4	P4	Leve	Leve
Rua Vsc. de Ouro Branco		Local	V4	P4	Leve	Leve
Praça da Bandeira		Local	V4	P4	Leve	Leve
Travessa da Independência		Local	V4	P4	Leve	Leve
Travessa da Liberdade		Local	V4	P4	Leve	Leve
Rua dos Expedicionários		Local	V4	P4	Leve	Leve
Estrada p/ Morrinhos		Local	V4	P4	Leve	Leve

Caculé						
Logradouro	Bairro	CLASSIFICAÇÃO VIÁRIA (CTB)	CLASSIFICAÇÃO VIAS DE VEÍCULOS (NBR 5101)	CLASSIFICAÇÃO VIAS DE PEDDESTRES (NBR 5101)	FLUXO DE VEÍCULOS	FLUXO DE PEDESTRES
Avenida Artur Castilho	Centro	Arterial	V2	P2	Intenso	Intenso
Avenida Cônego Miguel Monteiro	Centro	Arterial	V2	P2	Intenso	Intenso
Avenida Cônego Miguel Monteiro		Arterial	V2	P2	Intenso	Intenso
Rua 13 de Maio	Centro	Coletora	V3	P3	Moderado	Moderado
Rua Crescêncio Silveira	Zeferino Carinhonha	Coletora	V3	P3	Moderado	Moderado
Avenida Porto Alegre	Ponto Alegre	Coletora	V3	P3	Moderado	Moderado
Avenida Porto Alegre	Alt do Cruzeiro	Coletora	V3	P3	Moderado	Moderado
Avenida Porto Alegre	Porto Alegre	Coletora	V3	P3	Moderado	Moderado
Avenida Antônio Coutinho	Centro	Coletora	V3	P3	Moderado	Moderado
Avenida Antônio Coutinho	sao Geraldo	Coletora	V3	P3	Moderado	Moderado
Travessa 13 de Maio	Centro	Local	V4	P4	Leve	Leve
Rua 3 Deoclides Cardoso	Centro	Local	V4	P4	Leve	Leve
Rua 3 Santos Dumont	Centro	Local	V4	P4	Leve	Leve
Rua Abelardo Máximo de Carvalho	Bro Lagoa das Pedra	Local	V4	P4	Leve	Leve
Rua Abelardo Máximo de Carvalho	Bro São João Batista	Local	V4	P4	Leve	Leve
Travessa Abelardo Máximo de Carvalho	Bro Lagoa das Pedras	Local	V4	P4	Leve	Leve
Rua Abelardo Máximo de Carvalho	SAO Cristovao	Local	V4	P4	Leve	Leve
Rua Abelardo Máximo de Carvalho	Lagoa das Pedras	Local	V4	P4	Leve	Leve
Travessa Abelardo Máximo de Carvalho	S Cristovao	Local	V4	P4	Leve	Leve
Rua Acm 2	Várzea Grande	Local	V4	P4	Leve	Leve
Rua Afonso Pena	Alt da Boa Vista II	Local	V4	P4	Leve	Leve
Rua Afonso Pena	Bro Lagoa das Pedras	Local	V4	P4	Leve	Leve
Rua Afonso Pena	Bro São Cristóvão	Local	V4	P4	Leve	Leve
Rua Afonso Pena	Lagoa das Pedras	Local	V4	P4	Leve	Leve
Rua Afonso Pena	São Cristóvão	Local	V4	P4	Leve	Leve
Travessa Afonso Pena	Alt da Boa Vista II	Local	V4	P4	Leve	Leve
Travessa Afonso Pena	Bro São Geraldo	Local	V4	P4	Leve	Leve
Rua Agenor Carinhonha	Alt da Boa Vista	Local	V4	P4	Leve	Leve
Fazenda Alegria	Zn Rural	Local	V4	P4	Leve	Leve
Praça Alto Cruzeiro		Local	V4	P4	Leve	Leve
Rua Alto da Boa Vista 2	São Geraldo	Local	V4	P4	Leve	Leve
Rua Alto da Boa Vista II	Bro São Geraldo	Local	V4	P4	Leve	Leve
Rua Alto da Boa Vista II	São Geraldo	Local	V4	P4	Leve	Leve
Povoado Amargoso	Centro	Local	V4	P4	Leve	Leve
Rua Amélia Maria Neves	Centro	Local	V4	P4	Leve	Leve
Rua Amélia Maria	Nossa Senhora Ap	Local	V4	P4	Leve	Leve
Rua Antônio Alves Teixeira	AT da Boa Vista	Local	V4	P4	Leve	Leve
Avenida Antônio Coutinho	Bro São Geraldo	Coletora	V4	P4	Leve	Leve
Avenida Antônio Coutinho	São Geraldo	Local	V4	P4	Leve	Leve
Praça Antônio Coutinho	Bro São Geraldo	Local	V4	P4	Leve	Leve
Rua Arlindo Alves Pereira		Local	V4	P4	Leve	Leve
Rua Arlindo Alves	Sr do Bomfim	Local	V4	P4	Leve	Leve
Travessa Arlindo Alves	Bro São João Batista	Local	V4	P4	Leve	Leve
Travessa Arlindo Alves	Bro St do Bonfin	Local	V4	P4	Leve	Leve
Rua Arthur Neves	Zeferino Carinhonha	Local	V4	P4	Leve	Leve
Rua Arthur Neves	Alt da Boa Vista	Local	V4	P4	Leve	Leve
Travessa Arthur Neves	Alt da Boa Vista	Local	V4	P4	Leve	Leve
Rua Artur Neves	Alt da Boa Vista	Local	V4	P4	Leve	Leve
Rua Artur Neves	Sr do Bom Fim	Local	V4	P4	Leve	Leve
Rua Bahia	Bro da Estação	Local	V4	P4	Leve	Leve
Rua Barnabé	Sr do Bom Fim	Local	V4	P4	Leve	Leve
Rua Barão do Rio Branco	Centro	Local	V4	P4	Leve	Leve
Travessa Barão do Rio Branco	Centro	Local	V4	P4	Leve	Leve
Fazenda Boa Esperança	Zn Rural	Local	V4	P4	Leve	Leve
Loteamento Boa Vista II	Sede	Local	V4	P4	Leve	Leve
Avenida CONEGO MIGUEL MONTEIRO		Local	V4	P4	Leve	Leve
Praça Calixto José de Melo	Alt do Cruzeiro	Local	V4	P4	Leve	Leve
Praça Calixto José de Melo	Porto Alegre	Local	V4	P4	Leve	Leve
Fazenda Canelada	Zn Rural	Local	V4	P4	Leve	Leve
Rua Capitão Mendonsa	São Cristóvão	Local	V4	P4	Leve	Leve
Rua Capitão Mendonsa	São Critovao	Local	V4	P4	Leve	Leve
Rua Capitão Mendonça	Alt da Boa Vista II	Local	V4	P4	Leve	Leve
Travessa Capitão Mendonça	Bro São Geraldo	Local	V4	P4	Leve	Leve
Praça Castro Alves	Várzea Grande	Local	V4	P4	Leve	Leve
Praça Castro Alves	Vazea Grande	Local	V4	P4	Leve	Leve
Rua Castro Alves	Centro	Local	V4	P4	Leve	Leve
Rodovia Caçule A Tauape	Sede	Local	V4	P4	Leve	Leve
Rodovia Caçule Ibiassuce	Sede	Local	V4	P4	Leve	Leve
Estrada Caçule Licinio de Almeida	Sede	Local	V4	P4	Leve	Leve
Estrada Caçule Rio Antônio	Cacule	Local	V4	P4	Leve	Leve
Praça Cincinato Ferreira Neves	Bro da Estação	Local	V4	P4	Leve	Leve
Rua Clementina de Jesus	Alt da Boa Vista	Local	V4	P4	Leve	Leve
Rua Clementina de Jesus	Sr do Bom Fim	Local	V4	P4	Leve	Leve
Rua Clementina de Jesus	Sr do Bomfim	Local	V4	P4	Leve	Leve
Rua Clementina de Jesus	Sr do Bonfim	Local	V4	P4	Leve	Leve
Avenida Cleriston Andrade	Var Grande	Local	V4	P4	Leve	Leve

Travessa Mundo Novo	São Geraldo
Rua Neuza Fernandes	S Cristovao
Rua Nilo Xavier	AT do Cruzeiro
Travessa Nilo Xavier	Alt do Cruzeiro
Praça Nossa Senhora Aparecida	Centro
Praça Nossa Senhora Aparecida	Várzea Grande
Praça Nossa Senhora Aparecida	Centro
Travessa Nossa Senhora Aparecida	Centro
Praça Nossa Senhora do Carmo	Bro da Estação
Praça Nossa Senhora do Carmo	Estação
Rua Nova 2	Várzea Grande
Rua Nova 3	Várzea Grande
Rua Nova	Alt do Cruzeiro
Rua Nova	Várzea Grande
Rua Novo Horizonte	Bro St do Bonfin
Rua Novo Mundo	S Cristovao
Travessa Novo Mundo	Centro
Rua Padre Cícero	Alt da Boa Vista
Rua Padre Cícero	Sr do Bom Fim
Rua Padre Cícero	Sr do Bomfim
Travessa Padre Cícero	Sr do Bom Fim
Travessa Padre Cícero	Sr do Bomfim
Rua Padre Gabriel	Bro São João Batista
Rua Padre Gabriel	Bro St do Bonfin
Travessa Padre Gabriel	SAO Joao Batista
Rua Pau Biscoito	Estação
Rua Porto Alegre	Ponto Alegre
Praça Manoel Vitorino, 168	Centro
Rua Presidente Medice	Alt da Boa Vista II
Rua Presidente Medice	Lagoa das Pedras
Rua Presidente Medice	São Cristóvão
Rua Presidente Médici	SAO Cristovao
Praça Presidente Vargas	
Rua Presidente Vargas	Caculezinho
Praça Ramiro Xavier	Alt do Cruzeiro
Rua Ranulfo Costa	SAO Cristovao
Rua Ranulfo Costa	Centro
Rua Ranulfo Costa	São Cristóvão
Rua Ranulfo Costa	São Geraldo
Travessa Ranulfo Costa	Centro
Travessa Ranulfo Costa	São Geraldo
Rua Raul Alves de Brito	SAO Cristovao
Praça Reginaldo Santos Coutinho	S Cristovao
Praça Reginaldo Santos Coutinho	Bro São Geraldo
Praça Reginaldo Santos Coutinho	São Cristóvão
Rua Rita Fernandes	Centro
Rua Rodrigo Ferreira Neves	Lagoa de Cima
Rua Rodrigo Ferreira Neves	Alt da Boa Vista
Rua Rodrigues Ferreira Neves	Sr do Bomfim
Praça Rosa Prates	Centro
Rua Rui Barbosa	
Rua Rui Barbosa	Várzea Grande
Rua Ruy Barbosa	Centro
Rua Santo Dummont	Centro
Rua Santos Dummont	Várzea Grande
Rua Santos Dumont	Centro
Rua Santos Dumont	
Travessa Senhor do Bom Fim	Sr do Bom Fim
Rua Senhor do Bomfim	Sr do Bom Fim
Travessa Senhor do Bonfim	Centro
Rua Silva Jardim	Centro
Rua Silva Lima	Centro
Rua Sisino Viana	Alt da Boa Vista II
Rua Sisino Viana	Centro
Rua Sisino Viana	Lagoa das Pedras
Travessa Sisino Viana	Centro
Rua Sisínio Viana	Centro
Rua Sízínio Viana	
Travessa São Geraldo	Bro São Geraldo
Travessa São Geraldo	São Geraldo
Praça São João Batista	Bro St do Bonfin
Travessa Tamandaré	Centro
Travessa Tamandaré	
Rua Tedorico Novaes	S Cristovao
Rua Teixeira	Centro
Rua Tenente José Raimundo Castro	NS Aparecida
Rua Tenente José Raimundo Castro	
Rua Tenente José Raimundo de Castro	Centro
Rua Tenente Zé Raimundo	
Rua Tent José R de Castro	Centro

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Rua Teodorico Antônio Novaes	S Cristovao
Rua Teodorico Antônio Novaes	Bro São Geraldo
Rua Teodorico Antônio Novaes	Centro
Rua Teodorico Antônio Novaes	São Cristóvão
Rua Teodorico Antônio Novais	Alt da Boa Vista II
Rua Teodorico Antônio Novais	Bro São Cristóvão
Rua Teodorico Antônio Novais	Lagoa das Pedras
Rua Teodorico Antônio Novais	Praça Declides Cardoso
Rua Teodorico Antônio Novais	Praça Deoclides Cardoso
Travessa Teodorico Antônio Novais	Alt da Boa Vista II
Travessa Teodorico Antônio Novais	São Cristóvão
Rua Teodorico Novaes II	Bro São Geraldo
Rua Teodorico Novaes	Centro
Travessa Teodorico Novaes	S Cristovao
Travessa Teodorico Novaes	Bro São Geraldo
Rua Teodorico Novais	S Cristovao
Travessa Teodorico Novais	AT da Boa Vista
Rua Tergina Pinheiro	Alt do Cruzeiro
Travessa Tergina Pinheiro	Alt do Cruzeiro
Rua Tomé de Sousa	Vaezea Grande
Rua Tomé de Sousa	Várzea Grande
Rua Tomé de Souza	Bro da Estação
Travessa Tomé de Souza	Estacao
Travessa Tomé de Souza	Bro da Estação
Travessa Tomé de Souza	Estação
Travessa do Mercado Municipal, s/n	Várzea Grande
Rua Vereador Gutembergue Pereira	Sr do Bomfim
Travessa Vereador Gutembergue Pereira	Sr do Bomfim
Rua Vereadora Neuza Fernandes	Alt da Boa Vista II
Rua Vereadora Neuza Fernandes	Centro
Rua Vereadora Neuza Fernandes	São Cristóvão
Rua Vereadora Neuza Fernandes	São Critovao
Rua Vila Maria	Várzea Grande
Rua Zeferino Carinhanha	Alt da Boa Vista
Rua Zeferino Carinhanha	Sr do Bom Fim
Travessa Zeferino Carinhanha	Alt da Boa Vista
Travessa Zeferino Carinhanha	Sr do Bom Fim
Rua Zenaide Mota	Estacao
Rua Zenaide Mota	Bro da Estação
Rua Zenaide Mota	Centro
Rua da Alegria	Várzea Grande
Travessa da Delegacia	St do Bonfim
Travessa da Delegacia	Bro St do Bonfin
Travessa da Delegacia	Sr do Bonfim
Rua da Garagem da Prefeitura	São Geraldo
Rua da Lagoa	Centro
Travessa da Lagoa	Alt da Boa Vista
Rua da Misericórdia	Bro São Geraldo
Travessa da Misericórdia	Bro São Geraldo
Rua da Vitória	Bro da Estação
Rua do Cemitério	Bro São Geraldo
Rua do Cemitério	São Geraldo
Rua do Clube de Campo	Lagoa de Cima
Rua do Clube de Campo de Caçule	Centro
Rua do Corinthians	Centro
Praça do Mercado Deoclides Cardoso	Centro
Praça do Mercado	Var Grande
Praça do Mercado	
Praça do Mercado	Várzea Grande
Rua dos Ferroviários	Bro da Estação
Rua dos Ferroviários	Estação
Caminho para Jacaraci	Alt do Cruzeiro

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Lagoa Real						
Logradouro	Bairro	CLASSIFICAÇÃO VIÁRIA (CTB)	CLASSIFICAÇÃO VIAS DE VEÍCULOS (NBR 5101)	CLASSIFICAÇÃO VIAS DE PEDESTRES (NBR 5101)	FLUXO DE VEÍCULOS	FLUXO DE PEDESTRES
Avenida Real	Centro	Arterial	V2	P2	Intenso	Intenso
Avenida Real		Arterial	V2	P2	Intenso	Intenso
Avenida Real		Arterial	V2	P2	Intenso	Intenso
Avenida Real	Centro	Arterial	V2	P2	Intenso	Intenso
Avenida 14 de Maio	Centro	Coletora	V3	P3	Moderado	Moderado
Avenida 14 de Maio	Centro	Coletora	V3	P3	Moderado	Moderado
Rua Osvaldo Vieira	Centro	Coletora	V3	P3	Moderado	Moderado
Rua Osvaldo Vieira	Centro	Coletora	V3	P3	Moderado	Moderado
Avenida Santa Maria	Centro	Coletora	V3	P3	Moderado	Moderado
Avenida Santa Maria		Coletora	V3	P3	Moderado	Moderado
Avenida Santa Maria	Centro	Coletora	V3	P3	Moderado	Moderado
Rua 7 de Setembro	Centro	Local	V4	P4	Leve	Leve
Rua 7 de Setembro	Centro	Local	V4	P4	Leve	Leve
Rua Belo Duca		Local	V4	P4	Leve	Leve
Rua Belo Duca	Centro	Local	V4	P4	Leve	Leve
Rua Doutor Osvaldo Rodrigues	Centro	Local	V4	P4	Leve	Leve
Rua Mercado Novo	Centro	Local	V4	P4	Leve	Leve
Rua Quatorze de Maio		Local	V4	P4	Leve	Leve
Praça da Matriz		Local	V4	P4	Leve	Leve
Praça da Matriz	Centro	Local	V4	P4	Leve	Leve
Rua 13 de Junho	Centro	Local	V5	P4	Leve	Leve
Rua 15 de Novembro	Centro	Local	V5	P4	Leve	Leve
Rua 2 de Julho	Centro	Local	V5	P4	Leve	Leve
Rua 3 Nelson Mariano Souza	Centro	Local	V5	P4	Leve	Leve
Rua 3 Osvaldo Vieira	Centro	Local	V5	P4	Leve	Leve
Praça 3 do Mercado	Sede	Local	V5	P4	Leve	Leve
Praça 3 do Mercado	Centro	Local	V5	P4	Leve	Leve
Povoado Aguinha	Cercado	Local	V5	P4	Leve	Leve
Rua Alto da Lagoa	Centro	Local	V5	P4	Leve	Leve
Travessa Ana Vitória	Centro	Local	V5	P4	Leve	Leve
Travessa Ana Vitória	Centro	Local	V5	P4	Leve	Leve
Avenida Real, 105	Centro	Local	V5	P4	Leve	Leve
Rodovia BA 617	Zn Rural	Local	V5	P4	Leve	Leve
Rodovia BR 030	Café Azevedo	Local	V5	P4	Leve	Leve
Rodovia BR 030	Miguel Avelar	Local	V5	P4	Leve	Leve
Caminho Barrinha Brejal	Brejal	Local	V5	P4	Leve	Leve
Rodovia Barão em Direção ao Rio São João	Lagoa de Casca	Local	V5	P4	Leve	Leve
Povoado Campo do Araçá	Cpo do Araçá	Local	V5	P4	Leve	Leve
Rua Castelo Branco		Local	V5	P4	Leve	Leve
Praça Colégio Donerio Aguiar	Riachão	Local	V5	P4	Leve	Leve
Travessa Cosme e Damião	Centro	Local	V5	P4	Leve	Leve
Avenida Costa Silva	Centro	Local	V5	P4	Leve	Leve
Avenida Costa Silva		Local	V5	P4	Leve	Leve
Rua Costa e Silva	Centro	Local	V5	P4	Leve	Leve
Rua Dom Pedro I	Centro	Local	V5	P4	Leve	Leve
Travessa Edite Teixeira	Centro	Local	V5	P4	Leve	Leve
Travessa Eloi Batista	Centro	Local	V5	P4	Leve	Leve
Praça Escola Lourencio Santos	Riachão	Local	V5	P4	Leve	Leve
Travessa Espírito Santo	Centro	Local	V5	P4	Leve	Leve
Rua Fidelcino Moura Rocha	Centro	Local	V5	P4	Leve	Leve
Rua Florindo Gomes	Centro	Local	V5	P4	Leve	Leve
Beco Galdêncio Spínola	Centro	Local	V5	P4	Leve	Leve
Rua Galdêncio Spínola	Centro	Local	V5	P4	Leve	Leve
Rua General Costa e Silva	Centro	Local	V5	P4	Leve	Leve
Travessa Geovane Chaves	Centro	Local	V5	P4	Leve	Leve
Povoado Impuca	Impuca	Local	V5	P4	Leve	Leve
Rua Irmãs Moura	Centro	Local	V5	P4	Leve	Leve
Travessa João Paulo I	Centro	Local	V5	P4	Leve	Leve
Travessa João Paulo II	Centro	Local	V5	P4	Leve	Leve
Povoado Lagoa Danta	Lagoa Danta	Local	V5	P4	Leve	Leve
Caminho Lagoa Real Morrinhos	Faz Morrinho	Local	V5	P4	Leve	Leve
Rodovia Lagoa Real São Francisco	Centro	Local	V5	P4	Leve	Leve
Rua Lagoa da Pedra	Centro	Local	V5	P4	Leve	Leve
Povoado Lameiro	Lameiro	Local	V5	P4	Leve	Leve
Travessa Lindolfo Teixeira	Centro	Local	V5	P4	Leve	Leve
Rua Luís Pereira de Aguiar	Centro	Local	V5	P4	Leve	Leve
Rua Luís Pereira de Aguiar	Centro	Local	V5	P4	Leve	Leve
Povoado Malhada de Areia	Malhada de Areia	Local	V5	P4	Leve	Leve
Praça Matriz	Centro	Local	V5	P4	Leve	Leve
Praça Mercado		Local	V5	P4	Leve	Leve
Avenida Milton Alves de Almeida	Centro	Local	V5	P4	Leve	Leve
Travessa Monsenhor Osvaldo	Centro	Local	V5	P4	Leve	Leve
Travessa Ne Teixeira	Centro	Local	V5	P4	Leve	Leve
Rua Nelson Mariano de Souza	Centro	Local	V5	P4	Leve	Leve
Rua Nelson Mariano de Souza	Centro	Local	V5	P4	Leve	Leve
Travessa Nelson Mariano de Souza	Centro	Local	V5	P4	Leve	Leve

