

**BRUNO HENRIQUE MOTA DE OLIVEIRA**

**ESTUDO DOS PARÂMETROS IFC VOLTADOS PARA O LEVANTAMENTO DE  
QUANTITATIVOS DE UM MODELO BIM.**

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**Bruno Henrique Mota de Oliveira**

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Trabalho de graduação apresentado ao Conselho de Curso de Graduação em Engenharia Civil da Faculdade de Engenharia do Campus de Guaratinguetá, Universidade Estadual Paulista, como parte dos requisitos para obtenção do Diploma de Graduação em Engenharia Civil.

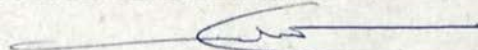
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**BRUNO HENRIQUE MOTA DE OLIVEIRA**

ESTE TRABALHO DE GRADUAÇÃO FOI JULGADO ADEQUADO COMO  
PARTE DO REQUISITO PARA A OBTENÇÃO DO DIPLOMA DE  
ENGENHARIA CIVIL

APROVADO EM SUA FORMA FINAL PELO CONSELHO DE CURSO DE  
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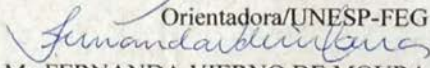


Prof. Dr. ENOS ARNEIRO NOGUEIRA DA SILVA  
Coordenador

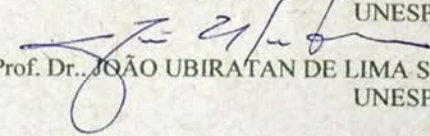
**BANCA EXAMINADORA:**



Prof. Dra. MÁRCIA REGINA DE FREITAS  
Orientadora/UNESP-FEG



Profa. Me FERNANDA VIERNO DE MOURA  
UNESP-FEG



Prof. Dr. JOÃO UBIRATAN DE LIMA SILVA  
UNESP-FEG

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*If something is important enough you should try,  
even if the probable outcome is failure.*

(Se algo é importante o bastante você deve tentar,  
mesmo se o resultado provável for a falha.)

Elon Musk

OLIVEIRA, B.H.M. **ESTUDO DOS PARÂMETROS IFC VOLTADOS PARA O LEVANTAMENTO DE QUANTITATIVOS DE UM MODELO BIM**, 2016. 92 fl. Trabalho de Graduação (Graduação em Engenharia Civil) – Faculdade de Engenharia de Guaratinguetá, Universidade Estadual Paulista, Guaratinguetá, 2016.

## **RESUMO**

O surgimento do conceito do BIM (*Building Information Modeling*) permite que os projetos de Arquitetura, Engenharia e Construção (AEC) sejam desenvolvidos com mais qualidade e rapidez. Existem softwares relacionados a esse conceito que realizam a modelagem virtual de um empreendimento, assim como existem ferramentas que fazem análise de projeto, como a detecção de conflitos, o planejamento da construção e a extração de dados quantitativos. Visando facilitar a comunicação entre os variados softwares BIM e, conseqüentemente, as equipes de projeto, é desenvolvido pela organização internacional BuildingSMART, um padrão de dados denominado IFC (*Industry Foundation Classes*). Este trabalho tem como objetivo verificar como os dados relacionados ao levantamento de quantitativos são definidos no esquema IFC. Após feita essa verificação foi possível realizar o levantamento quantitativo de um projeto estrutural em formato IFC. Durante tal procedimento, o conhecimento obtido através do estudo do padrão IFC se mostrou fundamental.

**Palavras-chave:** BIM; Interoperabilidade; Levantamento de quantitativos; IFC.

OLIVEIRA, B.H.M. **STUDY OF IFC PARAMETERS FOR THE QUANTITY TAKEOFF OF A BIM MODEL**, 2016. 92 p. Graduate Work (Graduate in Civil Engineering) – Faculdade de Engenharia de Guaratinguetá, Universidade Estadual Paulista, Guaratinguetá, 2016.

### **ABSTRACT**

The emergence of the BIM (Building Information Modeling) concept allows Architecture, Engineering and Construction (AEC) projects to be developed with more quality and speed. There are softwares related to this concept that perform virtual modeling of a building, just as there are tools that perform project analysis, such as conflict detection, construction planning and quantity takeoff. In order to facilitate communication between the various BIM softwares and, consequently, the design teams, a data standard called IFC (Industry Foundation Classes) is developed by the international organization BuildingSMART. This work aims to verify how the data related to the quantity takeoff are defined in the IFC scheme. After this verification, it was possible to carry out the quantity takeoff of a structural project in IFC format. During this procedure, the knowledge obtained through the IFC study was fundamental.

**Keywords:** BIM, Interoperability, Quantity Takeoff, IFC.

## LISTA DE ILUSTRAÇÕES

Figura 1: Esboço paramétrico de uma ponte.....	15
Figura 2: conexão do modelo digital com o cronograma.....	16
Figura 3: A BuildingSMART.....	28
Figura 4: Página inicial do esquema IFC2x3.....	20
Figura 5: Visualização do arquivo IFC pelo IFCQuickBrowser.....	22
Figura 6: Arquitetura geral do esquema IFC.....	23
Figura 7: IfcRoot em EXPRESS.....	24
Figura 8: <i>IfcRoot</i> e suas entidades subordinadas.....	25
Quadro 1: entidades subordinadas a <i>IfcBuildingElement</i> .....	26
Figura 9: esquema da camada de domínio.....	27
Quadro 2: entidades da camada de domínio.....	27
Figura 10: <i>IfcPile</i> em EXPRESS.....	28
Figura 11: <i>IfcPileTypeEnum</i> e <i>IfcPileConstructionEnum</i> em EXPRESS.....	28
Figura 12: esquema da camada de recursos.....	29
Quadro 3: entidades da camada de recursos.....	29
Figura 13: Projeto estrutural estudado.....	31
Figura 14: Definição dos “sets” para vigas, colunas e lajes.....	32
Figura 15: Trecho do arquivo .IFC contendo as propriedades do quantitativo.....	34
Organograma 1: hierarquia das entidades relacionadas ao quantitativo.....	34
Figura 16: Visualização das propriedades IFC no <i>software</i> Navisworks®.....	35
Figura 17: Mudança do mapeamento de propriedades IFC no <i>software</i> Navisworks®.....	36

## SUMÁRIO

<b>1. INTRODUÇÃO .....</b>	<b>10</b>
<b>2. OBJETIVOS .....</b>	<b>11</b>
2.1 OBJETIVO GERAL .....	11
2.2 OBJETIVOS ESPECÍFICOS.....	11
<b>3. REVISÃO BIBLIOGRÁFICA .....</b>	<b>12</b>
3.1 ORÇAMENTAÇÃO .....	12
<b>3.1.1 LEVANTAMENTO DE QUANTIDADES.....</b>	<b>13</b>
3.2 BIM.....	13
3.2.1 <i>O que é BIM?</i> .....	13
3.2.2 <i>BIM 3D</i> .....	14
3.2.3 <i>BIM 4D</i> .....	15
3.2.4 <i>BIM 5D</i> .....	16
3.2.5 <i>Demais dimensões</i> .....	17
3.3 INTEROPERABILIDADE .....	17
3.4 A LINGUAGEM IFC.....	18
<b>4. METODOLOGIA.....</b>	<b>20</b>
4.1 ESTUDO DETALHADO DO PADRÃO IFC .....	20
4.2 SOFTWARES UTILIZADOS.....	21
4.2.1 <i>Autodesk Navisworks Manage 2017®</i> .....	21
4.2.2 <i>GEM Team Solutions IfcQuickBrowser</i> .....	21
<b>5. ARQUITETURA GERAL DO ESQUEMA IFC.....</b>	<b>23</b>
5.1 A CAMADA DE NÚCLEO.....	24
5.2 A CAMADA DE INTEROPERABILIDADE.....	26
5.2 CAMADA DE DOMÍNIOS.....	26
5.3 A CAMADA DE RECURSOS .....	28

<b>6. ENTIDADES IFC APLICADAS AO LEVANTAMENTO DE QUANTITATIVOS .....</b>	<b>31</b>
6.1 LEVANTAMENTO DE QUANTITATIVOS PELO NAVISWORKS®.....	31
<b>7. IDENTIFICAÇÃO DAS PROPRIEDADES IFC LIGADAS ÀS QUANTIDADES</b>	<b>33</b>
7.1 OBSERVAÇÃO SOBRE A APLICAÇÃO DAS PROPRIEDADES IFC.....	35
<b>8. DISCUSSÃO DOS RESULTADOS .....</b>	<b>37</b>
<b>9. CONCLUSÃO.....</b>	<b>38</b>
<b>REFERÊNCIAS BIBLIOGRÁFICAS .....</b>	<b>39</b>
<b>APÊNDICE A – LEVANTAMENTO QUANTITATIVO DO PROJETO</b>	
<b>ESTRUTURAL.....</b>	<b>41</b>

## 1. INTRODUÇÃO

A indústria da construção civil é conhecida por sua baixa produtividade e baixo emprego de tecnologia, além de atrasos na entrega e altos desperdícios. O BIM (*Building Information Modeling*) surge como uma das tecnologias mais promissoras para tentar reverter esse paradigma, podendo trazer resultados como aumento da qualidade do produto, diminuição do tempo de projeto e execução, economia de recursos e redução do custo final do empreendimento.

Devido ao fato do BIM ser uma tecnologia relativamente recente no Brasil, a bibliografia nacional sobre esse assunto é escassa, o que dificulta o trabalho do profissional intencionado em utilizá-lo.

Deste contexto surge a parceria entre o DEC-FEG-UNESP e a empresa “DOX Planejamento Gestão e Desenvolvimento Imobiliário”, que visa alavancar o conhecimento sobre BIM, aprofundar sobre os conceitos de interoperabilidade e do padrão de dados IFC (*Industry Foundation Classes*), além de proporcionar aos estudantes a oportunidade de explorar um tema ainda pouco difundido no Brasil.

Com isso, esse trabalho foi realizado abordando os conceitos da linguagem IFC, aplicados a uma área importante da engenharia de custos: o levantamento de quantitativos.

## **2. OBJETIVOS**

### **2.1 OBJETIVO GERAL**

Este trabalho tem como objetivo a realização de um estudo sobre o esquema de dados IFC, com intenção de averiguar a aplicação do esquema ao processo de levantamento de quantitativos e orçamentação.

### **2.2 OBJETIVOS ESPECÍFICOS**

Com base nesse estudo, é proposto fazer o levantamento quantitativo automatizado de um projeto estrutural em IFC fornecido pela empresa DOX. Espera-se obter a quantidade de concreto a ser utilizado em vigas, lajes e colunas, para assim se obter o volume total de concreto a ser utilizado na estrutura do empreendimento.

### 3. REVISÃO BIBLIOGRÁFICA

#### 3.1 ORÇAMENTAÇÃO

Toda construção, independentemente de sua função e localização, é uma atividade econômica. Portanto, o aspecto custo tem grande importância. Com isso, a estimativa dos custos de uma determinada obra é feita ainda antes da execução, na fase de orçamentação (MATTOS, 2006).

Segundo Mattos (2006), a orçamentação compreende três etapas: estudo das condicionantes, composições de custos e a determinação dos preços.

Durante o estudo das condicionantes, se tornam conhecidas as condições de contorno da obra. Devem ser realizadas a leitura e a interpretação do projeto e especificações técnicas, a visita técnica do local da obra e a verificação da disponibilidade de materiais, equipamentos e mão de obra da região.

Para a composição dos custos deve ser feita a identificação dos serviços a serem executados, o levantamento quantitativo de cada serviço e a discriminação dos custos diretos e indiretos da obra.

Para fechar o orçamento devem ser determinados os preços de cada item da construção. Para tal, deve ser calculado o BDI (Benefícios e Despesas Indiretas), fator de majoração que é aplicado aos custos diretos, a fim de se obter o preço de venda de uma obra. Para se obter o BDI devem ser levados em consideração fatores como despesas indiretas da obra, custos administrativos, custos financeiros, imprevistos, impostos e o lucro.

O BDI pode ser calculado através da Equação (1):

$$BDI\% = \frac{(1+CI\%)x(1+AC\%+CF\%+IC\%)}{1-(LO\%+IMP\%)} - 1 \quad (1)$$

Onde:

CI% = custo indireto (% sobre o custo direto)

AC% = administração central (% sobre os custos diretos mais indiretos)

CF% = custo financeiro (% sobre os custos diretos mais indiretos)

IC% = imprevistos e contingências (% sobre os custos diretos mais indiretos)

LO% = lucro operacional (% sobre o preço de venda)

IMP% = impostos (% sobre o preço de venda).

### 3.1.1 Levantamento De Quantidades

A etapa de levantamento de quantidades é uma que mais intelectualmente exigem do orçamentista, pois demanda leitura de projeto, cálculo de áreas e volumes, consulta a tabelas e etc. (MATTOS, 2006).

No método convencional, a quantificação dos materiais de um serviço é feita com base nos desenhos fornecidos pelo projetista. Durante o processo, deve ser realizado um memorial de cálculo, a fim de deixar as estimativas feitas para serem conferidas por outra pessoa.

De acordo Merveld (2009), é possível obter levantamentos quantitativos detalhados diretamente de um projeto através de *softwares* BIM. Tais softwares podem fornecer a contagem de componentes, área e volume de espaços e quantidades de material, poupando tempo e esforço do orçamentista.

O conceito de BIM será explorado nos capítulos seguintes.

## 3.2 BIM

### 3.2.1 O que é BIM?

Nas últimas décadas o mundo presenciou uma revolução tecnológica com a invenção do computador e da Internet. É inegável o impacto trazido para a indústria: os produtos puderam ser mais bem projetados com o auxílio do CAD (*Computer Aided Design*), simulações puderam ser feitas digitalmente, e com isso, falhas de projeto podem ser corrigidas antes mesmo da confecção de um protótipo.

No entanto, a indústria da construção civil ainda carece dessas melhorias. Segundo pesquisa da Ernest & Young<sup>1</sup>, a falta de qualidade dos projetos é a principal causa para a baixa produtividade da construção civil. Com isso, pode-se entender que a melhoria dos projetos construtivos reduziria o tempo de construção, aumentaria a qualidade do produto final e reduziria os custos envolvidos.

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<sup>1</sup> Disponível em: <<http://www1.folha.uol.com.br/colunas/mercadoaberto/2014/06/1468205-baixa-productividade-reduz-margens-na-construcao-civil-diz-consultoria.shtml>> Acesso em 14 de julho de 2016.

O BIM (*Building Information Modeling*, ou Modelagem da Informação da Construção, em português), é uma iniciativa que visa melhorar os processos que tangem o projeto de uma construção, da sua análise preliminar à execução (MANZIONE, 2013)

Por ser um conceito ainda em fase de maturação, não há nas bibliografias uma definição única e amplamente aceita para o BIM.

Segundo a Norma Americana de BIM (National BIM Standard-United States®, NBIMS-US™), a Modelagem da Informação da Construção é o processo de geração e manipulação de dados da construção para o projeto, execução e operação, durante todo o seu ciclo de vida. O BIM permite que todos os envolvidos no projeto tenham acesso à mesma informação e ao mesmo tempo, através da interoperabilidade entre as plataformas. O conceito de interoperabilidade será explorado mais adiante nesse trabalho.

Segundo Eastman (2011), o BIM é a tecnologia da modelagem da construção e os seus processos associados, para produzir e analisar modelos digitais. Tais modelos carregam dados de representação geométrica dos componentes da construção, assim como regras paramétricas que permitem os componentes serem manipulados, inteligentemente, pelos softwares de modelagem. Os componentes ainda carregam dados de suas propriedades físicas, podendo, assim, serem analisados de acordo com a necessidade do projeto (ex: análise térmica e levantamento de quantitativos).

Independentemente da definição dada ao BIM, essa tecnologia tem potencial para redefinir o paradigma da construção civil, podendo ser aplicada em diversas áreas de um projeto. As várias aplicações do BIM são comumente distinguidas em dimensões, dividindo as aplicações em BIM 3D, 4D, 5D, até nD, dependendo da utilização no projeto. Abaixo serão explicadas as principais utilizações do BIM, de acordo com estas dimensões:

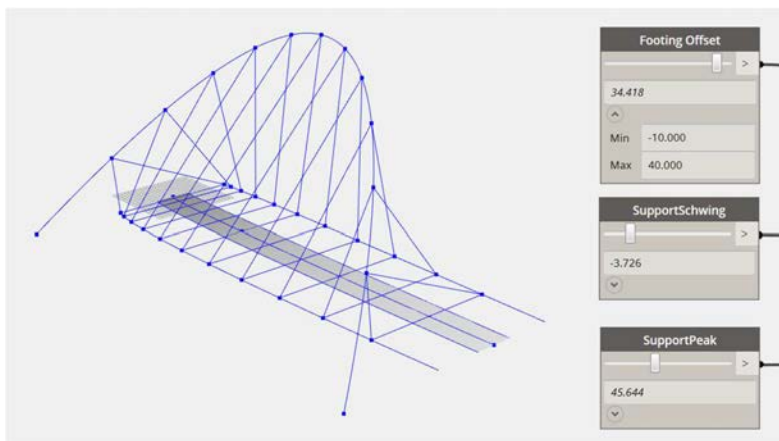
### **3.2.2 BIM 3D**

Um modelo BIM tridimensional consiste em informações sobre a forma e posição dos componentes de uma construção. Com isso pode-se visualizar o projeto no espaço tridimensional, o que não era possível em desenhos CAD 2D. Ademais, as informações geométricas contidas no modelo são paramétricas, ou seja, pode-se variar o formato e

localização de um elemento, apenas mudando os seus parâmetros, permitindo assim alterações mais ágeis dos projetos.

Na Figura 1, observa-se o esboço do projeto conceitual de uma ponte para pedestres. Mudando-se os parâmetros de entrada, o desenho se modifica automaticamente.

Figura 1: Esboço paramétrico de uma ponte



Fonte: página do software Dynamo<sup>2</sup>

Com os modelos 3D, a obra pode ser visualizada antes de ser iniciada a sua execução. Também as incompatibilidades de projeto podem ser detectadas automaticamente. O processo de documentação do projeto executivo é feito mais rápido que o método tradicional, fazendo com que o resultado do projeto seja de mais qualidade e em menor prazo.

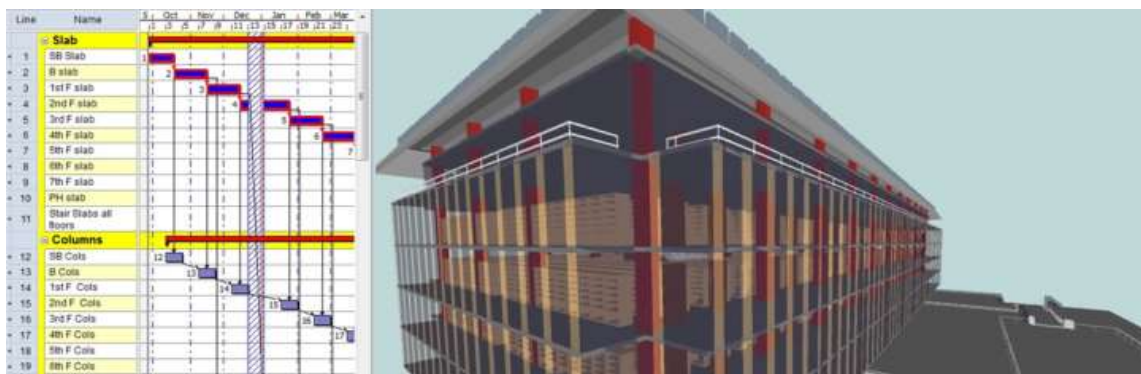
### 3.2.3 BIM 4D

A quarta dimensão do BIM leva em consideração o tempo, ou seja, tange o planejamento da obra, permitindo que os envolvidos no projeto possam visualizar e gerenciar o progresso das atividades durante o ciclo de vida da construção.

Na Figura 2 vê-se um modelo BIM de um edifício em que os elementos do modelo virtual estão conectados com o cronograma de obra.

<sup>2</sup> Disponível em: <<http://dynamobim.org/i-love-me-a-parametric-bridge/>> Acesso em 16 de outubro de 2016

Figura 2: Conexão do modelo digital com o cronograma



Fonte: página do software Asta PowerProject<sup>3</sup>

As plataformas que operam com o BIM 4D permitem a conexão dos elementos 3D com o cronograma de execução da obra, permitindo a visualização do projeto em seus vários estágios de execução. Dessa maneira, podem ser melhorados o planejamento de canteiro, a gestão dos processos construtivos e a coordenação das equipes (BARBOSA, 2014).

### 3.2.4 BIM 5D

No BIM 5D agrega-se a dimensão custo aos elementos do modelo. Com o auxílio de uma plataforma adequada, pode-se extrair quantitativos automaticamente do modelo virtual. Dessa forma, orçamentos mais assertivos podem ser elaborados, pois assim diminui-se a incidência de erros humanos no processo de orçamentação (SMITH, 2014)

De acordo com entrevista concedida por Toledo (2014)<sup>4</sup>, a adoção do BIM 5D para a modelagem de obras públicas ajudaria a coibir casos de corrupção, visto que, com a modelagem virtual, o projeto seria mais consistente e detalhado, levando à uma estimativa de quantidades e custos mais assertiva. Com isso, a margem de erro na elaboração de uma licitação seria menor, limitando os pedidos e cobranças de aditivos contratuais.

<sup>3</sup>Disponível em: <<http://www.astapowerproject.com/software/asta-powerproject-bim/>> Acesso em 16 de outubro de 2016.

<sup>4</sup>Disponível em: <<http://www.engenhariaearquitectura.com.br/noticias/1046/BIM.aspx>> Acesso em 12 de julho de 2016.

### 3.2.5 Demais dimensões

As aplicações do modelo virtual não cessam na quinta dimensão. Atualmente, pode-se utilizar o BIM para manutenção e operação de empreendimentos, análise energética, verificações de normas de segurança e acessibilidade, simulações de desastre, automação do edifício, fabricação digital entre outras. O campo de atuação do BIM está em constante ampliação, visto que ainda é uma tecnologia em desenvolvimento (EASTMAN, 2011).

## 3.3 INTEROPERABILIDADE

Como visto anteriormente, há várias aplicações para o BIM. Por consequência, existem inúmeros softwares para gerar e manipular as informações de um modelo digital. Interoperabilidade é a capacidade de intercâmbio de dados entre as plataformas, sendo primordial para facilitar e automatizar o fluxo de trabalho (EASTMAN, 2011).

A interoperabilidade é fundamental para o sucesso do BIM, o desenvolvimento de padrões de dados abertos e o acesso ‘não-proprietário’ aos dados do BIM é crítico para a indústria da construção, pois assim evitam-se ineficiências e problemas devidos à reentrada de dados (HOWELL e BATCHELER, 2004).

Para provar os benefícios da interoperabilidade, em 1995, a empresa Autodesk organizou uma aliança entre 12 companhias engajadas com o desenvolvimento de softwares para engenharia e construção. Após um ano de esforços, a aliança chegou a três conclusões:

- A interoperabilidade é viável e tem bom potencial comercial.
- Os padrões de dados devem ser abertos, internacionais e não proprietários.
- A aliança deve ser aberta para as partes interessadas em todo o mundo.

Com isso, deu-se início à IAI (*International Alliance for Interoperability*), em uma reunião com representantes da América, Europa e Ásia. A IAI estabeleceu sedes em algumas regiões e formou um Conselho Internacional para coordenar o desenvolvimento de padrões internacionais.

Em 2008, a IAI mudou de nome para BuildingSMART (Figura 3) para melhor se conectar à missão da organização. “*Building*” se refere à indústria da construção, à qual a

organização está inserida. “*Smart*” se refere à maneira que a organização deseja construir: com inteligência, interoperabilidade e trabalho em equipe do projeto, construção à manutenção da construção (BuildingSMART, 2016)

Figura 3 – A BuildingSMART



Fonte: página da BuildingSMART<sup>5</sup>

### 3.4 A LINGUAGEM IFC

O esquema IFC (*Industry Foundation Classes*) foi o primeiro formato de dados desenvolvido e mantido pela buildingSMART. Segue as premissas da organização: é aberto, internacional e não proprietário. O IFC tem como foco facilitar a interoperabilidade entre as variadas plataformas de software. Esse formato é comumente utilizado para a colaboração em projetos baseados em BIM.

O IFC consiste em objetos e definições de propriedade que são usadas para representar um projeto de construção e estocar informações que podem ser usadas para um propósito particular (EASTMAN, 2011).

Segundo Steel, Drogemuller e Toth (2012), o IFC é definido, tecnicamente, de acordo com as especificações da norma ISO 10303, para modelagem e intercâmbio de dados, também conhecida como STEP (*Standard for the Exchange of Product Data*).

O STEP consiste em uma gama de especificações, tendo uma linguagem para especificação do esquema de dados, STEP/EXPRESS, na qual o esquema IFC é definido.

Contém também um mapeamento para arquivos de texto que representam os modelos segundo o esquema de dados; um mapeamento para arquivos no formato XML (*Extensible Markup Language*) e um mapeamento para API (*Application Program Interface*) para acessar os modelos para programação, conhecido como SDAI (*Standard Data Access Interface*).

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<sup>5</sup> Disponível em: < <http://www.buildingsmart-tech.org/> > Acesso em 24 de novembro de 2016

De todas essas tecnologias de mapeamento, a mais significativa em termos de interoperabilidade, de acordo com Steel, Drogemuller e Toth (2012), é a ISO 10303 21 (2002), que define o formato do arquivo IFC.

## 4. METODOLOGIA

### 4.1 ESTUDO DETALHADO DO PADRÃO IFC

Para a realização do estudo detalhado do padrão IFC, foi utilizado como base a especificação do padrão de dados IFC2x edição 3 *Technical Corrigendum 1* (Figura 4). Apesar de já existir uma versão mais recente do IFC (IFC4 Addendum 2), a versão 2x3 foi escolhida como o objeto deste estudo pelo fato de ser a mais compatível com os softwares existentes no mercado.

As informações sobre a arquitetura geral do esquema IFC, assim como as definições mais precisas sobre os objetos do esquema de dados são fornecidas pela própria BuildingSMART em seu portal *online*.

Figura 4: Página inicial do esquema IFC2x3



Fonte: BuildingSMART

Com isso, pôde-se compreender a estrutura geral do IFC, enumerando-se os objetos e entidades mais importantes, assim como os parâmetros relacionados ao uso do BIM voltado para a engenharia de custos.

## 4.2 SOFTWARES UTILIZADOS

Para a execução deste trabalho, foram utilizados basicamente dois softwares: Autodesk Navisworks Manage 2017® (Autodesk) e o IfcQuickBrowser, desenvolvido pela empresa GEM Team Solutions.

### 4.2.1 Autodesk Navisworks Manage 2017®

O Autodesk Navisworks Manage 2017® é um software de análise de projetos que permite a revisão de um modelo BIM, com a intenção de se obter maior controle sobre os resultados do projeto.

O Navisworks possui ferramentas de análise 3D (visualização do modelo e detecção de conflitos), 4D (conexão do modelo com o cronograma de execução e visualização do progresso da obra) e 5D (levantamento quantitativo).

Para o desenvolvimento deste trabalho, foi usada principalmente a análise 5D, através da ferramenta *Quantification*.

### 4.2.2 GEM Team Solutions IfcQuickBrowser

O software IfcQuickBrowser (Figura 5), permite visualizar a estrutura de texto de um arquivo IFC. Neste software o arquivo é exibido em forma de árvore, evidenciando a hierarquia das entidades IFC, tornando-se, assim, a compreensão do esquema mais intuitiva.

Figura 5: Visualização do arquivo IFC pelo IFCQuickBrowser

The screenshot shows a window titled "MAE-EST-PE-MOD-R05 - Ajustado - IfcQuickBrowser". The window contains a list of IFC entities and their properties, displayed in a text area. The entities are listed as follows:

```
#89= IFCGEOMETRICREPRESENTATIONSUBCONTEXT('Box','Model',*,*,*,#83,$,.MODEL_VIEW,$);
#90= IFCGEOMETRICREPRESENTATIONSUBCONTEXT('FootPrint','Model',*,*,*,#83,$,.MODEL_VIEW,$);
#91= IFCGEOMETRICREPRESENTATIONCONTEXT($,'Annotation',3,0.01,#80,#81);
#92= IFCGEOMETRICREPRESENTATIONSUBCONTEXT($,'Annotation',*,*,*,#91,0.01,.PLAN_VIEW,$);
#94= IFCPROJECT('2yG7y6plz0DAnSlwTd7CKO',#41,'0001',$,$,'2612-STAN-EMAE-PE-R06','Status do projeto',(#83,#91),#78);
#41= IFCOWNERHISTORY(#38,#5,$,.NOCHANGE,$,$,$,1471554926);
#83= IFCGEOMETRICREPRESENTATIONCONTEXT($,'Model',3,0.01,#80,#81);
#91= IFCGEOMETRICREPRESENTATIONCONTEXT($,'Annotation',3,0.01,#80,#81);
#78= IFCUNITASSIGNMENT((#42,#44,#45,#49,#50,#51,#52,#54,#58,#62,#64,#65,#66,#67,#68,#69,#70,#77));
#100= IFCPOSTALADDRESS($,$,$,('Insira aqui o endere\X2\00E7\X0\o'),$,'','Bras\X2\00ED\X0\lia','','Brasil');
#104= IFCBUILDING('2yG7y6plz0DAnSlwTd7CKP',#41,'',$,$,#32,$,''.ELEMENT,$,$,#100);
#110= IFCARTESIANPOINT((0.,0.,-4600.));
#112= IFCAXIS2PLACEMENT3D(#110,$,$);
#1031568= IFCRELAGGREGATES('0ANv_DY416FhLEAfcLq4w',#41,$,$,#94,(#1027400));
```

The window also shows a status bar at the bottom with the text "Ready" and a "NUM" button.

Fonte: Antoria própria.

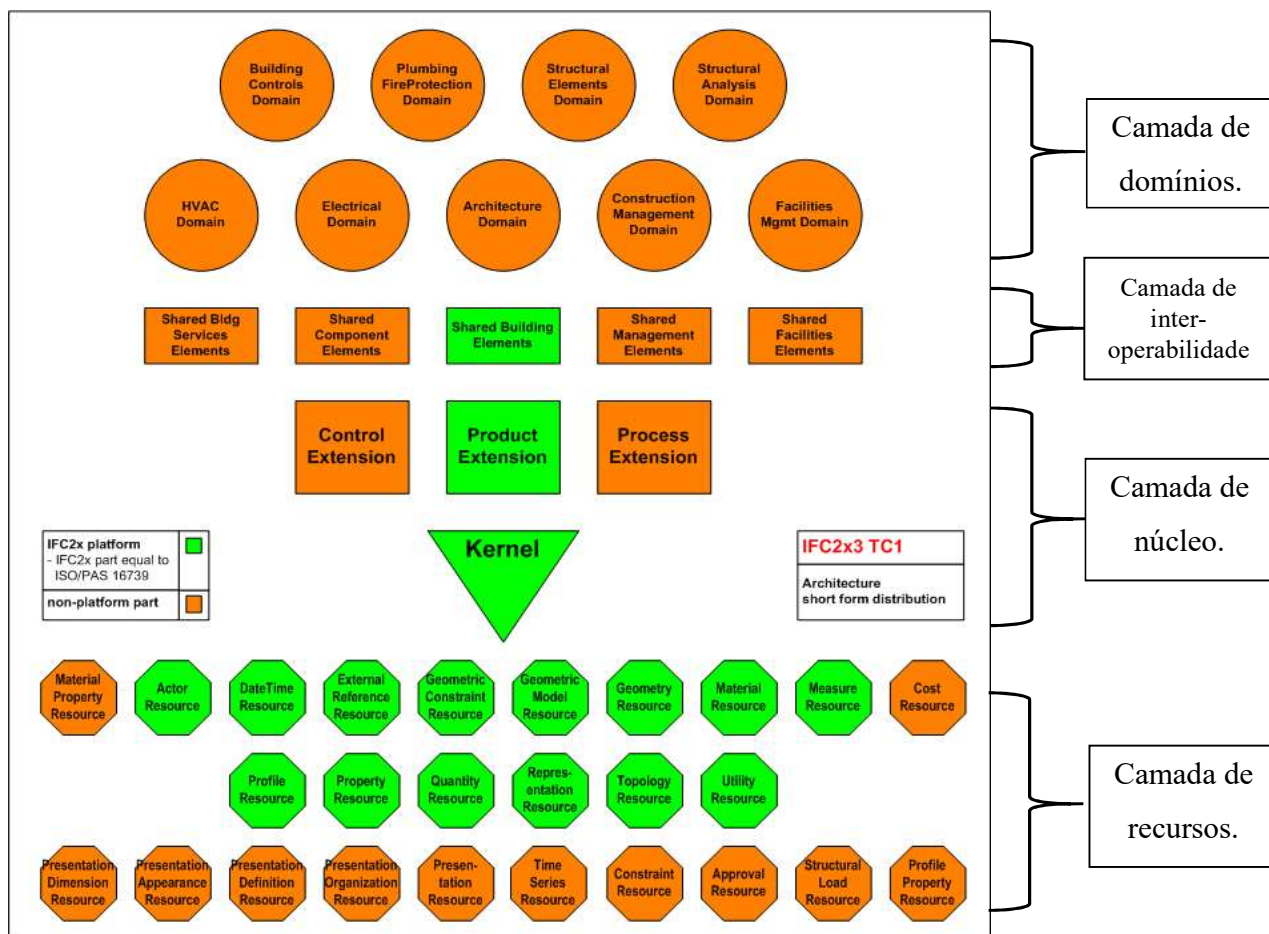
## 5. ARQUITETURA GERAL DO ESQUEMA IFC

Em um modelo IFC, as informações do projeto são representadas em entidades IFC, como os elementos, espaços e suas relações. Cada entidade IFC carrega atributos IFC, assim como propriedades IFC.

O esquema geral do IFC compreende centenas de entidades IFC, que são categorizadas em 4 camadas, vistas esquematicamente na Figura 5.

- Camada de núcleo.
- Camada de interoperabilidade.
- Camada de domínios.
- Camada de recursos.

Figura 6: Arquitetura geral do esquema IFC



Fonte: BuildingSMART

## 5.1 A CAMADA DE NÚCLEO

As entidades IFC compreendidas na camada de núcleo são as mais gerais do esquema IFC, podendo ser referenciadas por todas as entidades acima na hierarquia. A camada de núcleo providencia a estrutura básica, as relações fundamentais e conceitos comuns para as entidades mais específicas em um modelo IFC.

Todas as entidades da camada de núcleo e das camadas superiores derivam da entidade *IfcRoot*, carregando atributos como identificação, nome, descrição e controle de mudança de informações.

A Figura 7 mostra a especificação da entidade *IfcRoot* na linguagem EXPRESS

Figura 7: IfcRoot em EXPRESS

```
ENTITY IfcRoot
  ABSTRACT SUPERTYPE OF (ONEOF(IfcPropertyDefinition, IfcRelationship, IfcObjectDefinition));
  GlobalId                : IfcGloballyUniqueId;
  OwnerHistory            : IfcOwnerHistory;
  Name                    : OPTIONAL IfcLabel;
  Description              : OPTIONAL IfcText;
  UNIQUE
  URI                      : GlobalId;
END_ENTITY;
```

Fonte: BuildingSMART

O atributo *GlobalID* (GUID) representa a identificação única de elemento IFC. Tal identificação consiste em um número único de 128 bits, formado por uma *string* de 22 caracteres na base 64, ou seja, a identificação de um elemento IFC se dá por um por uma sequência de 22 algarismos alfanuméricos formados pela base:

(0123456789ABCDEFGHIJKLMN**OP**QRSTUVWXYZabcdefghijklmnopqrstuvwxyz\_!).

Podemos ter como GUID por exemplo, a sequência: 3TJZgf68v4Vh\$CzFv96Cd7.

O atributo *OwnerHistory* define o histórico de modificação de um elemento IFC. É usado para identificar a plataforma para a criação do elemento, assim como o nome do usuário, também a data de última modificação e seu respectivo usuário.

Os atributos *Name* e *Description* são opcionais e são utilizados para identificar e descrever, respectivamente, o elemento para o usuário.

A Figura 8 representa a entidade *IfcRoot* e suas entidades subordinadas.



## 5.2 A CAMADA DE INTEROPERABILIDADE.

A camada de interoperabilidade contém entidades que representam objetos e relações mais especializados que são compartilhados por vários domínios da construção.

Os elementos mais comuns da construção (paredes, esquadrias, elementos estruturais etc.) se encontram nessa camada, compreendidos na entidade *IfcBuildingElement*.

No Quadro 1 estão descritas as principais entidades subordinadas a *IfcBuildingElement*.

Quadro 1: entidades subordinadas a *IfcBuildingElement*

<b>Entidade</b>	<b>Elemento</b>
<i>IfcBeam</i>	Vigas
<i>IfcColumn</i>	Colunas
<i>IfcCurtainWall</i>	Muros de fechamento
<i>IfcDoor</i>	Portas
<i>IfcMember</i>	Elementos estruturais lineares
<i>IfcPlate</i>	Elementos estruturais planos
<i>IfcRailing</i>	Guarda-corpos e corrimãos
<i>IfcRamp</i>	Rampas
<i>IfcRoof</i>	Telhados
<i>IfcSlab</i>	Lajes
<i>IfcStair</i>	Escadas
<i>IfcWall</i>	Paredes
<i>IfcWindow</i>	Janelas

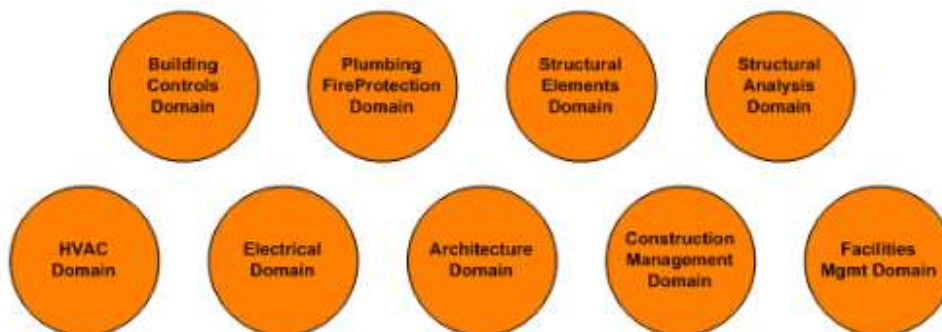
Fonte: adaptado de BuildingSMART

## 5.2 CAMADA DE DOMÍNIOS

Ao contrário da camada de interoperabilidade, a camada de domínios contém as entidades mais especializadas da construção civil. Por esse motivo, tais entidades estão no

final da hierarquia, não podendo ser referenciadas por outras entidades. Tal camada é categorizada por 8 disciplinas, listadas na Figura 9 e Quadro 2:

Figura 9: Esquema da camada de domínio



Fonte: buildingSMART.

Quadro 2: Entidades da camada de domínio

<b>Entidade</b>	<b>Descrição</b>
<i>IfcArchitectureDomain</i>	Arquitetura
<i>IfcBuildingControlsDomain</i>	Automação e controle
<i>IfcConstructionMgmtDomain</i>	Gestão da construção
<i>IfcElectricalDomain</i>	Instalações elétricas
<i>IfcHvacDomain</i>	Aquecimento e ar-condicionado
<i>IfcPlumbingFireProtectionDomain</i>	Instalações hidráulicas e de incêndio
<i>IfcStructuralAnalysisDomain</i>	Análise estrutural
<i>IfcStructuralElementsDomain</i>	Elementos estruturais

Fonte: adaptado de buildingSMART.

O exemplo a seguir mostra a especificação em EXPRESS da entidade *IfcPile*, que representa um fundação profunda (Figura 10).

Figura 10: *IfcPile* em EXPRESS

```

ENTITY IfcPile
  SUBTYPE OF (IfcBuildingElement);
  PredefinedType      : IfcPileTypeEnum;
  ConstructionType    : OPTIONAL IfcPileConstructionEnum;
  WHERE
    NR1                : (PredefinedType <> IfcPileTypeEnum.USERDEFINED) OR ((PredefinedType = IfcPileTypeEnum.USERDEFINED) AND
      EXISTS(SELF\IfcObject.ObjectType)) ;
END_ENTITY;

```

Fonte: BuildingSMART.

Nota-se que a entidade *IfcPile* também é subordinada a *IfcBuildingElement*, mas não é superior (supertipo) de outras entidades. Nota-se também que o tipo da fundação e o método da construção são representados por outras entidades, no caso a *IfcPileTypeEnum* e *IfcPileConstructionEnum* (Figura 11).

Figura 11: *IfcPileTypeEnum* e *IfcPileConstructionEnum* em EXPRESS

```

TYPE IfcPileTypeEnum = ENUMERATION OF
  ( COHESION,
    FRICTION,
    SUPPORT,
    USERDEFINED,
    NOTDEFINED);
END_TYPE;

TYPE IfcPileConstructionEnum = ENUMERATION OF
  ( CAST_IN_PLACE,
    COMPOSITE,
    PRECAST_CONCRETE,
    PREFAB_STEEL,
    USERDEFINED,
    NOTDEFINED);
END_TYPE;

```

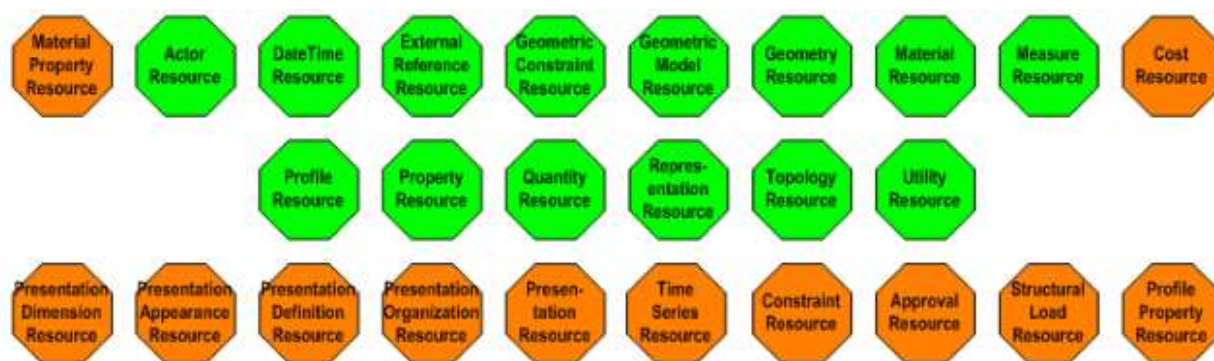
Fonte: BuildingSMART.

### 5.3 A CAMADA DE RECURSOS

A camada de recursos contém estruturas de dados para dar suporte às outras entidades IFC. Ao contrário das entidades das outras camadas, as entidades da camada de recursos não podem existir independentes, tendo de ser referenciadas direta ou indiretamente por outras entidades.

A Figura 12 e o Quadro 3 mostram as categorias em que são classificadas as entidades da camada de recurso:

Figura 12: Esquema da camada de recursos



Fonte: BuildingSMART.

Quadro 3: Entidades da camada de recursos

Entidade	Descrição
<i>IfcActorResource</i>	Agente
<i>IfcApprovalResource</i>	Aprovação
<i>IfcConstraintResource</i>	Restrições
<i>IfcCostResource</i>	Custos
<i>IfcDateTimeResource</i>	Data e hora
<i>IfcExternalReferenceResource</i>	Referência externa
<i>IfcGeometricConstraintResource</i>	Restrição geométrica
<i>IfcGeometricModelResource</i>	Modelo geométrico
<i>IfcGeometryResource</i>	Geometria
<i>IfcMaterialResource</i>	Material
<i>IfcMeasureResource</i>	Medidas
<i>IfcPresentationAppearanceResource</i>	Apresentação/Transparência
<i>IfcPresentationDefinitionResource</i>	Apresentação/Definição
<i>IfcPresentationOrganizationResource</i>	Apresentação/Organização
<i>IfcProfileResource</i>	Perfil
<i>IfcPropertyResource</i>	Propriedades
<i>IfcQuantityResource</i>	Quantidades
<i>IfcRepresentationResource</i>	Representação
<i>IfcStructuralLoadResource</i>	Cargas estruturais
<i>IfcTopologyResource</i>	Topologia
<i>IfcUtilityResource</i>	Utilidades

Fonte: adaptado de BuildingSMART.

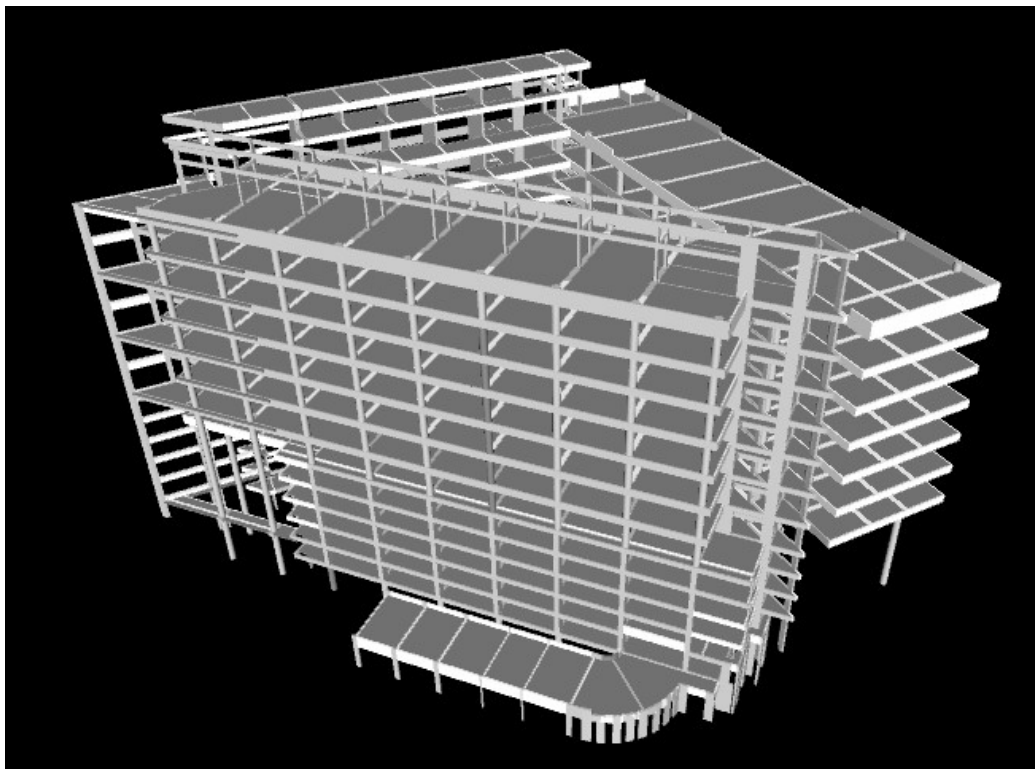
As entidades da camada de recurso não precisam ter uma identificação (GUID), e podem ser referenciadas por múltiplos objetos, não estabelecendo relacionamento entre eles. Por exemplo, uma viga (*IfcBeam*) e uma coluna (*IfcColumn*) podem referenciar o mesmo material (*IfcMaterial* – Concreto Armado) sem estarem relacionadas entre si.

## 6. ENTIDADES IFC APLICADAS AO LEVANTAMENTO DE QUANTITATIVOS

### 6.1 LEVANTAMENTO DE QUANTITATIVOS PELO NAVISWORKS®

Para se obter uma estimativa de custos para um empreendimento, é fundamental conhecer as quantidades de recursos e materiais a serem empregados durante a construção. O esquema IFC possui a estrutura de dados que armazena tais informações. Para demonstrar as entidades envolvidas foi feito um levantamento quantitativo de um projeto estrutural (Apêndice A) fornecido pela empresa DOX Planejamento, Gestão e Desenvolvimento Imobiliário (Figura 13).

Figura 13 – Projeto estrutural estudado



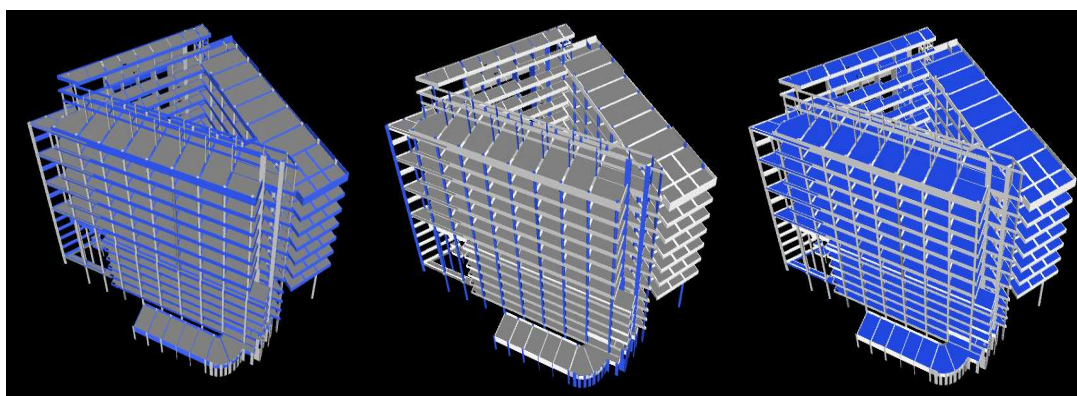
Fonte: Autoria própria.

O levantamento quantitativo em questão tem como objetivo determinar o volume de concreto de cada elemento estrutural (vigas, colunas e lajes) para se obter o volume total de

concreto da estrutura. Tal valor é de extrema importância para elaborar o orçamento e o planejamento do empreendimento.

Primeiramente, o arquivo IFC do projeto estrutural fornecido pela DOX foi analisado pelo software Autodesk Navisworks®. Foram criados 3 “sets” (seleção de elementos) correspondentes às vigas, colunas, e lajes da obra. Tais elementos foram selecionados através da definição das propriedades IFC (*Pset\_BeamCommon*, *Pset\_ColumnCommon*, *Pset\_SlabCommon*). A Figura 14 mostra a seleção dos elementos pela definição das propriedades IFC.

Figura 14: Definição dos “sets” para vigas, colunas e lajes



Fonte: Autoria própria.

Para se realizar o levantamento quantitativo, utilizou-se a ferramenta *Quantification* do Navisworks. Tal ferramenta permite extrair valores quantitativos (comprimento, altura, largura, área, perímetro, volume e contagem) dos elementos selecionados. Através dos “sets”, pode-se extrair a quantidade de vigas, colunas e lajes do projeto, assim como os volumes de cada elemento e, somando, obtém-se o volume total.

Na Tabela 1 é mostrado o resumo do levantamento quantitativo realizado. O resultado completo da análise está contido no Apêndice A.

Tabela 1: Resultados do levantamento quantitativo

<b>Elemento</b>	<b>Volume</b>	<b>Contagem de Elementos</b>
Vigas	1943,35 m <sup>3</sup>	1747
Colunas	1848,56 m <sup>3</sup>	1212
Lajes	3845,39 m <sup>3</sup>	527
<b>Total</b>	<b>7636,30 m<sup>3</sup></b>	

Fonte: Autoria própria.

## 7. Identificação das propriedades IFC ligadas às quantidades

A BuildingSMART define entidades IFC em que são armazenadas as propriedades quantitativas de um elemento. Tais entidades estão contidas na camada de recurso, subordinadas à “*IfcElementQuantity*”.

Tais propriedades são relacionadas ao elemento em questão através da entidade *IfcRelDefinesByProperties*. Tal entidade tem a função de relacionar um elemento às suas propriedades. Melhor definindo, tal entidade relaciona propriedades a um elemento, pois vários elementos podem ser relacionados à mesma propriedade.

A Figura 15 mostra um trecho de um arquivo IFC em que se pode verificar como o IFC armazena os dados relativos à quantidade de uma viga (*IfcBeam*).

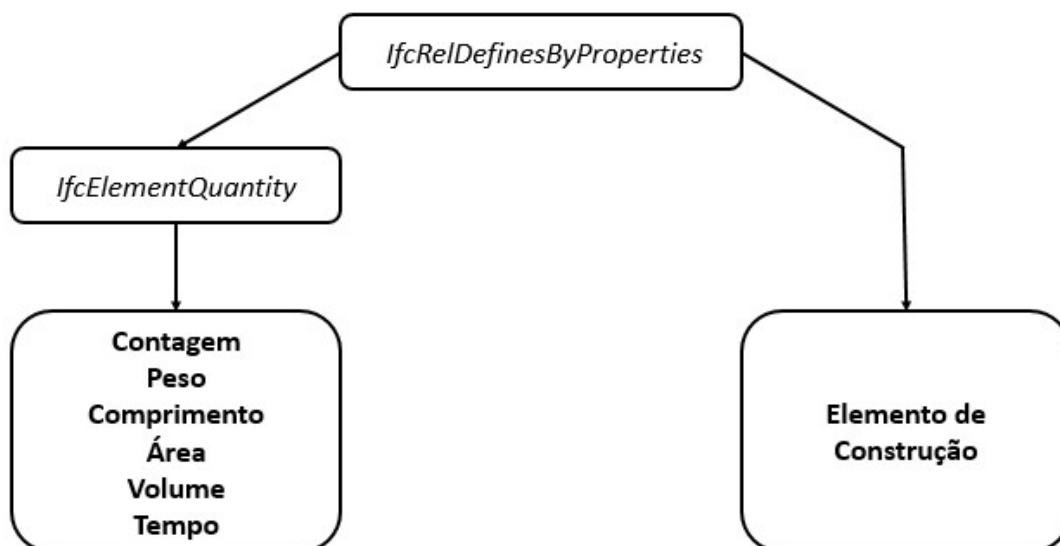
Figura 15: Trecho do arquivo IFC contendo as propriedades do quantitativo

```
#140260= IFCRELEDEFINESBYPROPERTIES('0I21IDHiz3dhH7FkuG_Dvv',#7,$,$,(#140078),#140255);
...#7= IFCOWNERHISTORY(#8,#15,$,.NOCHANGE,$,$,$,0);
...#140078= IFCBEAM('0SGF706NH7jP53ksUjnOla',#7,'BM-1',$,$,#140097,#140115,$);
...#140255= IFCELEMENTQUANTITY('15dkbW$df0Y92Hk2bCl6ZG',#7,'BaseQuantities',$,$,(#140262,#140264,#140266,#140268,#140271,#140273));
...#7= IFCOWNERHISTORY(#8,#15,$,.NOCHANGE,$,$,$,0);
...#140262= IFCQUANTITYLENGTH('Length',$,$,104.25);
...#140264= IFCQUANTITYLENGTH('Width',$,$,18.);
...#140266= IFCQUANTITYLENGTH('Depth',$,$,18.);
...#140268= IFCQUANTITYAREA('NetSurfaceArea-ExtrudedSides',$,$,52.12);
...#140271= IFCQUANTITYVOLUME('GrossVolume',$,$,19.55);
...#140273= IFCQUANTITYVOLUME('NetVolume',$,$,19.55);
```

Fonte: Autoria própria.

Em suma, a entidade *IfcRelDefinesByProperties* referenciou o elemento e as propriedades de quantidade. No caso dos dados da Figura 14 foram referenciadas as entidades de número #140078 *IfcBeam* e a de número #140255 *IfcElementQuantity*. A entidade *IfcElementQuantity* ainda referenciou seis entidades de quantidade para definir o comprimento, largura, profundidade, área superficial, volume bruto e volume neto do elemento. O Organograma 1 mostra, em suma, como as propriedades de quantidade se relacionam com os elementos de construção.

Organograma 1: Hierarquia das entidades relacionadas ao quantitativo

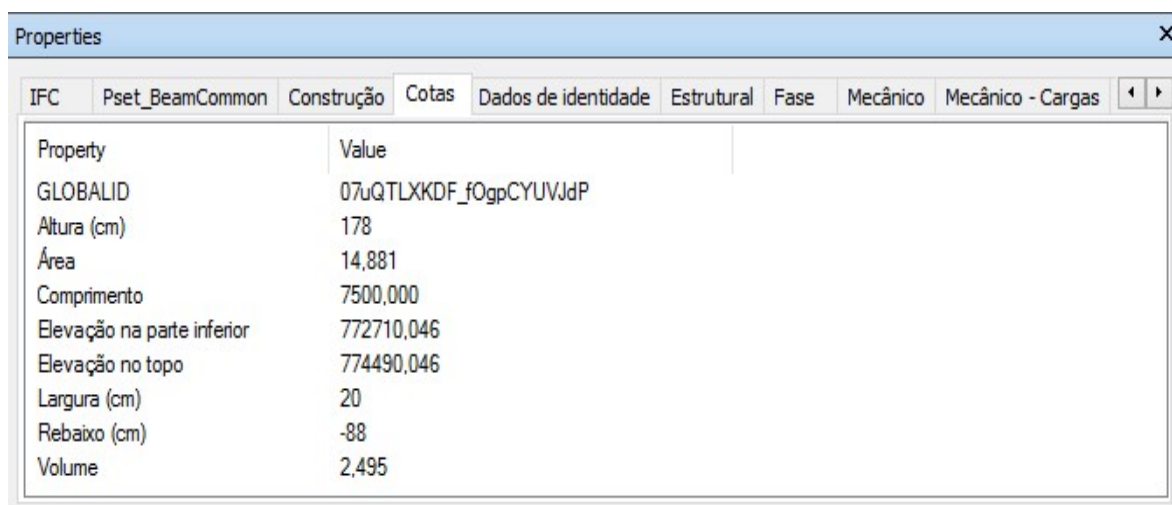


Fonte: Autoria própria.

## 7.1 OBSERVAÇÃO SOBRE A APLICAÇÃO DAS PROPRIEDADES IFC

Durante a realização do levantamento de quantitativos no software Navisworks®, verificou-se que o volume dos elementos não estava armazenado nas propriedades de quantidade, mas sim na propriedade “Cotas” (Figura 16).

Figura 16: Visualização das propriedades IFC no software Navisworks®



Property	Value
GLOBALID	07uQTLXKDF_fOgpCYUVJdP
Altura (cm)	178
Área	14,881
Comprimento	7500,000
Elevação na parte inferior	772710,046
Elevação no topo	774490,046
Largura (cm)	20
Rebaixo (cm)	-88
Volume	2,495

Fonte: Autoria própria.

Tal divergência com o esquema definido pela BuildingSMART foi constatada após o primeiro levantamento quantitativo realizado não ter gerado resultados. Para se contornar tal problema, o mapeamento de propriedades da ferramenta *Quantification* foi alterado, indicando-se o local correto para extrair a informação do volume (Figura 17).

Feita essa alteração, pode-se prosseguir com o levantamento de quantitativos normalmente, gerando os resultados apresentados anteriormente.

Figura 17: Mudança do mapeamento de propriedades IFC no *software* Navisworks®

Item Name: Vigas      Work Breakdown Structure: 1

Description:

Object Appearance

Color:       Opaque            Transparent      Line Thickness:  mm

Item Calculations      Item Map Rules

Takeoff Property	Category	Property
Object		
Description1		
Description2		
ModelLength		
ModelWidth		
ModelThickness		
ModelHeight		
ModelPerimeter		
ModelArea		
ModelVolume	Cotas	Volume
ModelWeight		

Set specific map rules for item.

Fonte: Autoria própria.

## 8. DISCUSSÃO DOS RESULTADOS

Como visto anteriormente, o levantamento quantitativo realizado pelo Navisworks não apresentou resultados em uma primeira análise. Para obter os resultados desejados, foi necessário fazer a alteração do mapeamento das propriedades IFC tangentes a análise quantitativa.

Para isso, foi fundamental ter feito o estudo do esquema IFC, focando-se nas entidades referentes a aplicação ao BIM 5D.

Os resultados obtidos não puderam ser comparados à quantidade de concreto utilizada na obra, pois não foi iniciada a execução da estrutura.

O levantamento quantitativo realizado pela empresa “DOX Planejamento Gestão e Desenvolvimento Imobiliário” não foi disponibilizado, impossibilitando a comparação dos resultados.

Observa-se também que o software gerou uma planilha (Apêndice A) descrevendo o volume de cada item do projeto estrutural (vigas, colunas e lajes). Pelo fato de o projeto estudado ser de grandes proporções, e ter ao todo 3486 itens, a planilha gerada é extensa, dificultando a verificação dos resultados.

## 9. CONCLUSÃO

Visto que a orçamentação de uma construção é fundamental para a definição do preço de venda de um empreendimento, e conseqüentemente, do sucesso econômico da atividade, é imprescindível que o orçamento feito seja confiável.

Para tanto, é importante que a etapa de levantamento de quantitativos não contenha erros, mesmo que ela seja feita automaticamente por algum software.

Portanto, é aconselhável que cada elemento usado em um projeto BIM seja submetido a uma validação, afim de que as informações contidas no elemento sejam condizentes com a realidade.

Esse processo pode ser intensivo em tempo e capital, o que pode desencorajar as empresas do setor da construção civil a utilizar o BIM como principal ferramenta para a extração de quantitativos.

Após a realização deste trabalho, tornou-se claro os benefícios da aplicação do BIM e do padrão IFC. Através do aprofundamento teórico feito sobre o esquema IFC, foi possível detectar as entidades relacionadas ao levantamento quantitativo, que foram fundamentais para solucionar um problema real de aplicações práticas, mostrando a importância do conhecimento adquirido durante a realização deste trabalho.

O levantamento quantitativo de concreto do projeto estrutural fornecido pela empresa DOX foi realizado automaticamente com sucesso, no entanto, o resultado não foi comparado com o volume real de concreto utilizado na obra, ou com uma análise quantitativa obtida através dos métodos convencionais.

A integração dos elementos do BIM 4D com o 5D seria a continuação deste trabalho. Obter resultados de análises de custo, alinhados com o planejamento temporal de um empreendimento seria de bom valor para a gestão de obras, permitindo-se obter cronogramas físico-financeiros automaticamente, através de um modelo BIM.

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## APÊNCICE A – Levantamento Quantitativo do Projeto Estrutural

Código	Item	Nome	Volume (m³)
<b>1</b>	<b>Vigas</b>		<b>1.943,352</b>
1.1	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298634	0,394
1.2	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:298639	2,766
1.3	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:298644	6,254
1.4	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:298647	0,028
1.5	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:298650	0,517
1.6	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:298653	0,683
1.7	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298656	1,656
1.8	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298688	0,201
1.9	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:298693	0,523
1.10	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:298696	0,521
1.11	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:298699	0,683
1.12	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:298702	0,795
1.13	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298705	0,296
1.14	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:298708	0,185
1.15	Vigas	TQS - Viga retangular:TQS 19,0 x 55,0:298713	0,772
1.16	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298716	0,174
1.17	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298719	0,110
1.18	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298722	0,110
1.19	Vigas	TQS - Viga retangular:TQS 14,0 x 30,0:298727	0,034
1.20	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298730	0,090
1.21	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298733	1,117
1.22	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298736	0,262
1.23	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298739	1,260
1.24	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298742	0,504
1.25	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298745	0,394
1.26	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:298750	0,006
1.27	Vigas	TQS - Viga retangular:TQS 30,0 x 129,0:298755	2,844
1.28	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:298758	2,762
1.29	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:298761	2,762
1.30	Vigas	TQS - Viga retangular:TQS 20,0 x 113,0:298766	0,944
1.31	Vigas	TQS - Viga retangular:TQS 20,0 x 83,0:298771	0,788
1.32	Vigas	TQS - Viga retangular:TQS 20,0 x 83,0:298774	0,830
1.33	Vigas	TQS - Viga retangular:TQS 20,0 x 169,0:298779	1,487
1.34	Vigas	TQS - Viga retangular:TQS 20,0 x 169,0:298782	1,555
1.35	Vigas	TQS - Viga retangular:TQS 20,0 x 169,0:298785	1,690
1.36	Vigas	TQS - Viga retangular:TQS 20,0 x 169,0:298788	1,555
1.37	Vigas	TQS - Viga retangular:TQS 20,0 x 169,0:298791	1,690
1.38	Vigas	TQS - Viga retangular:TQS 20,0 x 169,0:298794	0,379
1.39	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:298797	1,103
1.40	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:298802	1,544
1.41	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:298807	1,470
1.42	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:298810	1,470
1.43	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:298813	1,543
1.44	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:298816	4,065
1.45	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298819	0,348
1.46	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298822	1,102
1.47	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:298876	0,388
1.48	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298881	0,822
1.49	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298884	1,328
1.50	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298887	2,315
1.51	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298890	1,551
1.52	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298893	3,090
1.53	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298896	0,421
1.54	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298899	3,638
1.55	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298902	0,229
1.56	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298905	0,188
1.57	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:298910	0,078
1.58	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:298913	0,078
1.59	Vigas	TQS - Viga retangular:TQS 40,0 x 55,0:298918	2,106
1.60	Vigas	TQS - Viga retangular:TQS 40,0 x 55,0:298921	2,106
1.61	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298924	0,497
1.62	Vigas	TQS - Viga retangular:TQS 25,0 x 82,0:298929	0,326
1.63	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298932	1,627
1.64	Vigas	TQS - Viga retangular:TQS 20,0 x 169,0:298935	1,555
1.65	Vigas	TQS - Viga retangular:TQS 20,0 x 83,0:298938	0,830
1.66	Vigas	TQS - Viga retangular:TQS 20,0 x 129,0:298943	0,156
1.67	Vigas	TQS - Viga retangular:TQS 20,0 x 129,0:298946	0,501
1.68	Vigas	TQS - Viga retangular:TQS 20,0 x 129,0:298949	0,063
1.69	Vigas	TQS - Viga retangular:TQS 20,0 x 129,0:298952	0,062

1.70	Vigas	TQS - Viga retangular:TQS 20,0 x 129,0:298955	0,027
1.71	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:298960	1,319
1.72	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298963	0,142
1.73	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298966	0,252
1.74	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298969	0,067
1.75	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298972	
1.76	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298975	0,031
1.77	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298978	0,119
1.78	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298981	0,028
1.79	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298984	
1.80	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298987	0,089
1.81	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298990	0,040
1.82	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298993	
1.83	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298996	0,000
1.84	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:298999	0,001
1.85	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299002	0,000
1.86	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299005	0,106
1.87	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299008	0,083
1.88	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299011	
1.89	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299014	0,064
1.90	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299017	0,106
1.91	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299020	0,052
1.92	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299023	0,001
1.93	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299026	
1.94	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299029	0,031
1.95	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299032	0,079
1.96	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299035	0,099
1.97	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299038	
1.98	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299041	0,035
1.99	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:299044	0,022
1.100	Vigas	TQS - Viga retangular:TQS 20,0 x 45,0:299049	1,579
1.101	Vigas	TQS - Viga retangular:TQS 40,0 x 45,0:299054	1,388
1.102	Vigas	TQS - Viga retangular:TQS 40,0 x 45,0:299057	1,206
1.103	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:299062	0,141
1.104	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:299065	0,935
1.105	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:299068	1,764
1.106	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:299071	1,568
1.107	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:299074	0,637
1.108	Vigas	TQS - Viga retangular:TQS 80,0 x 45,0:299079	0,316
1.109	Vigas	TQS - Viga retangular:TQS 80,0 x 45,0:299082	0,136
1.110	Vigas	TQS - Viga retangular:TQS 80,0 x 45,0:299085	0,319
1.111	Vigas	TQS - Viga retangular:TQS 80,0 x 45,0:299088	0,139
1.112	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299091	1,528
1.113	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299168	0,394
1.114	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299171	2,989
1.115	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299260	4,680
1.116	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299263	0,028
1.117	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299266	0,517
1.118	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299269	4,862
1.119	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299315	0,201
1.120	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:299318	0,523
1.121	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299321	0,521
1.122	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299324	4,132
1.123	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299369	0,759
1.124	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:299372	0,795
1.125	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299375	0,778
1.126	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299378	0,315
1.127	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299381	0,296
1.128	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299384	0,185
1.129	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299387	3,311
1.130	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299406	0,272
1.131	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299409	1,189
1.132	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299436	1,388
1.133	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299462	4,135
1.134	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:299498	0,401
1.135	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299501	0,110
1.136	Vigas	TQS - Viga retangular:TQS 14,0 x 30,0:299504	0,034
1.137	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299507	1,117
1.138	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299510	0,181
1.139	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:299515	0,115
1.140	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299518	0,142
1.141	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299521	0,736
1.142	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299524	0,381
1.143	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299527	0,305

1.144	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299530	2,951
1.145	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299533	1,528
1.146	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299557	0,504
1.147	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:299562	2,824
1.148	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:299577	0,050
1.149	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299580	0,409
1.150	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299583	3,001
1.151	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299653	3,001
1.152	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299722	3,001
1.153	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299791	3,001
1.154	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299860	1,528
1.155	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:299874	1,528
1.156	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:299888	0,787
1.157	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:299914	0,743
1.158	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:299917	0,006
1.159	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:299920	1,992
1.160	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:299923	0,110
1.161	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:299926	1,371
1.162	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:299929	4,065
1.163	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299932	0,348
1.164	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299935	1,112
1.165	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299938	0,173
1.166	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299941	0,661
1.167	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:299944	1,641
1.168	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:299994	0,372
1.169	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:299997	1,095
1.170	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300000	0,153
1.171	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300003	0,155
1.172	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300006	1,508
1.173	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300009	0,123
1.174	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300012	0,021
1.175	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300015	0,132
1.176	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300018	1,320
1.177	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300021	0,153
1.178	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:300026	1,711
1.179	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300029	0,428
1.180	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:300034	0,171
1.181	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:300060	0,261
1.182	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:300075	0,192
1.183	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300090	0,095
1.184	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:300095	0,219
1.185	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:300098	0,219
1.186	Vigas	TQS - Viga retangular:TQS 50,0 x 20,0:300103	0,424
1.187	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:300106	0,078
1.188	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:300109	0,078
1.189	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:300112	0,158
1.190	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:300115	0,516
1.191	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:300118	0,290
1.192	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:300121	0,473
1.193	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:300124	1,937
1.194	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:300127	1,568
1.195	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:300130	0,637
1.196	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300133	1,528
1.197	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300154	0,394
1.198	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300157	3,003
1.199	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300215	0,540
1.200	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300218	4,968
1.201	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300221	0,654
1.202	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300224	0,052
1.203	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300227	0,510
1.204	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300230	4,868
1.205	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300258	0,171
1.206	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300261	0,433
1.207	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300264	0,201
1.208	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300267	0,554
1.209	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300270	0,526
1.210	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300273	4,891
1.211	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300301	0,806
1.212	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300304	0,778
1.213	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300307	0,315
1.214	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300310	1,992
1.215	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300313	0,185
1.216	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300316	3,311
1.217	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300331	0,266

1.218	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300334	1,555
1.219	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300360	1,388
1.220	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300385	4,136
1.221	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300422	0,401
1.222	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300425	0,110
1.223	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300428	0,110
1.224	Vigas	TQS - Viga retangular:TQS 14,0 x 30,0:300431	0,034
1.225	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300434	1,117
1.226	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300437	0,262
1.227	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300440	1,226
1.228	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300443	0,305
1.229	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300446	2,951
1.230	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300449	1,371
1.231	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300452	1,528
1.232	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300467	0,504
1.233	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:300470	2,824
1.234	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:300484	0,050
1.235	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300487	0,394
1.236	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300490	3,003
1.237	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300548	3,003
1.238	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300606	3,003
1.239	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300664	3,003
1.240	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300722	1,528
1.241	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300736	1,528
1.242	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:300750	0,787
1.243	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:300775	1,278
1.244	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:300778	0,139
1.245	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:300781	0,006
1.246	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300784	0,110
1.247	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:300787	4,065
1.248	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300790	0,348
1.249	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300793	1,112
1.250	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300796	0,173
1.251	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300799	1,656
1.252	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300837	0,296
1.253	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300840	0,372
1.254	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300843	1,095
1.255	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300846	0,153
1.256	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300849	0,155
1.257	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300852	1,508
1.258	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300855	0,123
1.259	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300858	0,147
1.260	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300861	1,320
1.261	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:300864	0,153
1.262	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:300867	0,219
1.263	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:300870	0,219
1.264	Vigas	TQS - Viga retangular:TQS 50,0 x 20,0:300873	0,424
1.265	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:300876	0,078
1.266	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:300879	0,078
1.267	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:300882	1,937
1.268	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:300885	1,568
1.269	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:300888	0,637
1.270	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300891	1,528
1.271	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:300906	0,394
1.272	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:300909	3,003
1.273	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300967	0,540
1.274	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300970	4,968
1.275	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300973	0,654
1.276	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300976	0,052
1.277	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300979	0,510
1.278	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:300982	4,868
1.279	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301007	0,171
1.280	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301010	0,433
1.281	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301013	0,201
1.282	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301016	0,554
1.283	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301019	0,526
1.284	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301022	4,891
1.285	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301047	0,806
1.286	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301050	0,778
1.287	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301053	0,315
1.288	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301056	0,185
1.289	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301059	3,311
1.290	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301073	0,266
1.291	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301076	1,555

1.292	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301101	1,388
1.293	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301126	4,135
1.294	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301163	0,401
1.295	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301166	0,110
1.296	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301169	0,110
1.297	Vigas	TQS - Viga retangular:TQS 14,0 x 30,0:301172	0,034
1.298	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301175	1,117
1.299	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301178	0,262
1.300	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301181	1,226
1.301	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301184	0,305
1.302	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301187	2,951
1.303	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301190	1,528
1.304	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301204	0,504
1.305	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:301207	2,824
1.306	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:301221	0,050
1.307	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301224	0,394
1.308	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301227	3,003
1.309	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301285	3,003
1.310	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301343	3,003
1.311	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301401	3,003
1.312	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301459	1,528
1.313	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301473	1,528
1.314	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:301487	0,787
1.315	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:301512	1,278
1.316	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:301515	0,139
1.317	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:301518	0,006
1.318	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301521	1,992
1.319	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301524	0,110
1.320	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301527	1,371
1.321	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:301530	4,067
1.322	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301533	0,348
1.323	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301536	1,112
1.324	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301539	0,173
1.325	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301542	1,656
1.326	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301579	0,296
1.327	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301582	0,372
1.328	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301585	1,095
1.329	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301588	0,153
1.330	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301591	0,155
1.331	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301594	1,508
1.332	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301597	0,123
1.333	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301600	0,147
1.334	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301603	1,320
1.335	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301606	0,153
1.336	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:301609	0,219
1.337	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:301612	0,219
1.338	Vigas	TQS - Viga retangular:TQS 50,0 x 20,0:301615	0,424
1.339	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:301618	0,078
1.340	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:301621	0,078
1.341	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301624	4,147
1.342	Vigas	TQS - Viga retangular:TQS 50,0 x 60,0:301629	1,725
1.343	Vigas	TQS - Viga retangular:TQS 50,0 x 60,0:301632	0,121
1.344	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301635	2,074
1.345	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:301638	1,937
1.346	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:301641	1,568
1.347	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:301644	0,637
1.348	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301647	1,528
1.349	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301665	0,394
1.350	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:301668	2,971
1.351	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301775	0,540
1.352	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301778	5,622
1.353	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301781	0,028
1.354	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301784	0,517
1.355	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301787	4,854
1.356	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301840	0,171
1.357	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301843	0,433
1.358	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301846	0,201
1.359	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301849	0,523
1.360	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301852	0,521
1.361	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301855	4,877
1.362	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:301907	0,795
1.363	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301910	0,778
1.364	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301913	0,315
1.365	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301916	0,185

1.366	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301919	3,311
1.367	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301934	0,266
1.368	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301937	1,555
1.369	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:301962	1,388
1.370	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:301987	3,309
1.371	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302002	0,826
1.372	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302028	0,401
1.373	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302031	0,110
1.374	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302034	0,110
1.375	Vigas	TQS - Viga retangular:TQS 14,0 x 30,0:302037	0,034
1.376	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302040	1,117
1.377	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302043	0,262
1.378	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302046	1,260
1.379	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302049	0,305
1.380	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302052	2,951
1.381	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302055	1,528
1.382	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302070	0,504
1.383	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:302073	2,824
1.384	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:302087	0,033
1.385	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302090	0,394
1.386	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302093	2,971
1.387	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302201	2,971
1.388	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302308	2,971
1.389	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302415	2,971
1.390	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302522	1,528
1.391	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302536	1,528
1.392	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:302550	0,787
1.393	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:302575	1,278
1.394	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:302578	0,139
1.395	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302581	0,881
1.396	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302584	0,159
1.397	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:302587	0,006
1.398	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302590	1,943
1.399	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302593	1,371
1.400	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:302596	4,067
1.401	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302599	0,348
1.402	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302602	1,112
1.403	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302605	0,173
1.404	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302608	1,656
1.405	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302645	0,296
1.406	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302648	0,372
1.407	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302651	1,095
1.408	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302654	0,153
1.409	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302657	0,155
1.410	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302660	1,508
1.411	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302663	0,123
1.412	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302666	0,147
1.413	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302669	1,320
1.414	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302672	0,153
1.415	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:302675	0,219
1.416	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:302678	0,219
1.417	Vigas	TQS - Viga retangular:TQS 40,0 x 16,0:302683	0,058
1.418	Vigas	TQS - Viga retangular:TQS 50,0 x 20,0:302686	0,424
1.419	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:302689	0,078
1.420	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:302692	0,078
1.421	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:302695	0,006
1.422	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:302698	1,937
1.423	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:302701	1,568
1.424	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:302704	0,637
1.425	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302707	3,058
1.426	Vigas	TQS - Viga retangular:TQS 19,0 x 100,0:302726	0,090
1.427	Vigas	TQS - Viga retangular:TQS 19,0 x 100,0:302729	0,053
1.428	Vigas	TQS - Viga retangular:TQS 19,0 x 100,0:302732	0,226
1.429	Vigas	TQS - Viga retangular:TQS 19,0 x 100,0:302749	0,342
1.430	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:302766	0,241
1.431	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:302769	0,228
1.432	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:302772	2,988
1.433	Vigas	TQS - Viga retangular:TQS 20,0 x 80,0:302841	0,720
1.434	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302844	5,622
1.435	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302847	0,028
1.436	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302850	0,517
1.437	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302853	4,867
1.438	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302890	0,068
1.439	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302893	0,023

1.440	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302896	0,034
1.441	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302899	0,433
1.442	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302902	0,771
1.443	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302905	0,523
1.444	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302908	0,521
1.445	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302911	4,890
1.446	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:302950	0,795
1.447	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:302953	1,880
1.448	Vigas	TQS - Viga retangular:TQS 20,0 x 120,0:302958	0,634
1.449	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302961	
1.450	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:302964	0,285
1.451	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:302967	1,129
1.452	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:302997	3,316
1.453	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:303000	0,266
1.454	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303003	1,555
1.455	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303029	1,388
1.456	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:303054	0,075
1.457	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:303057	1,048
1.458	Vigas	TQS - Viga retangular:TQS 14,0 x 30,0:303084	0,084
1.459	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303087	1,114
1.460	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:303114	0,122
1.461	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:303117	0,061
1.462	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:303120	0,167
1.463	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:303123	0,189
1.464	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:303126	0,980
1.465	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303145	0,381
1.466	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303148	0,305
1.467	Vigas	TQS - Viga retangular:TQS 25,0 x 140,0:303153	0,871
1.468	Vigas	TQS - Viga retangular:TQS 25,0 x 140,0:303156	1,015
1.469	Vigas	TQS - Viga retangular:TQS 25,0 x 140,0:303159	1,540
1.470	Vigas	TQS - Viga retangular:TQS 25,0 x 140,0:303162	0,456
1.471	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303165	0,504
1.472	Vigas	TQS - Viga retangular:TQS 19,0 x 45,0:303170	0,215
1.473	Vigas	TQS - Viga retangular:TQS 19,0 x 45,0:303190	0,139
1.474	Vigas	TQS - Viga retangular:TQS 19,0 x 45,0:303193	0,427
1.475	Vigas	TQS - Viga retangular:TQS 45,0 x 60,0:303196	2,824
1.476	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:303212	0,487
1.477	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303215	2,990
1.478	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303282	2,990
1.479	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303348	2,990
1.480	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303414	2,990
1.481	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303480	3,058
1.482	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303494	3,058
1.483	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:303508	0,787
1.484	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:303533	1,278
1.485	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:303536	0,139
1.486	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:303539	1,049
1.487	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303542	3,058
1.488	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303557	3,058
1.489	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:303572	2,923
1.490	Vigas	TQS - Viga retangular:TQS 40,0 x 130,0:303589	0,762
1.491	Vigas	TQS - Viga retangular:TQS 19,0 x 140,0:303594	0,939
1.492	Vigas	TQS - Viga retangular:TQS 25,0 x 140,0:303597	4,501
1.493	Vigas	TQS - Viga retangular:TQS 25,0 x 140,0:303600	3,846
1.494	Vigas	TQS - Viga retangular:TQS 19,0 x 140,0:303603	0,939
1.495	Vigas	TQS - Viga retangular:TQS 40,0 x 120,0:303608	1,588
1.496	Vigas	TQS - Viga retangular:TQS 40,0 x 120,0:303611	0,506
1.497	Vigas	TQS - Viga retangular:TQS 40,0 x 120,0:303614	1,070
1.498	Vigas	TQS - Viga retangular:TQS 40,0 x 120,0:303635	0,378
1.499	Vigas	TQS - Viga retangular:TQS 40,0 x 120,0:303638	0,693
1.500	Vigas	TQS - Viga retangular:TQS 40,0 x 120,0:303641	0,095
1.501	Vigas	TQS - Viga retangular:TQS 25,0 x 120,0:303646	0,341
1.502	Vigas	TQS - Viga retangular:TQS 25,0 x 120,0:303649	1,574
1.503	Vigas	TQS - Viga retangular:TQS 25,0 x 120,0:303652	1,290
1.504	Vigas	TQS - Viga retangular:TQS 25,0 x 120,0:303655	1,050
1.505	Vigas	TQS - Viga retangular:TQS 25,0 x 100,0:303658	1,062
1.506	Vigas	TQS - Viga retangular:TQS 20,0 x 80,0:303691	1,586
1.507	Vigas	TQS - Viga retangular:TQS 20,0 x 80,0:303694	1,357
1.508	Vigas	TQS - Viga retangular:TQS 19,0 x 130,0:303699	0,741
1.509	Vigas	TQS - Viga retangular:TQS 19,0 x 130,0:303702	0,366
1.510	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303705	1,382
1.511	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:303708	2,123
1.512	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:303711	0,070
1.513	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:303714	0,224

1.514	Vigas	TQS - Viga retangular:TQS 20,0 x 130,0:303719	0,641
1.515	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:303722	0,726
1.516	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:303725	0,006
1.517	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:303728	3,312
1.518	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:303731	0,826
1.519	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:303767	0,421
1.520	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:303770	4,067
1.521	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303773	0,348
1.522	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303776	1,112
1.523	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303779	0,173
1.524	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:303782	1,068
1.525	Vigas	TQS - Viga retangular:TQS 19,0 x 40,0:303810	0,142
1.526	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:303825	0,113
1.527	Vigas	TQS - Viga retangular:TQS 19,0 x 100,0:303828	0,010
1.528	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303831	1,656
1.529	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303869	0,296
1.530	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:303874	0,280
1.531	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:303877	0,070
1.532	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:303880	0,300
1.533	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:303885	0,004
1.534	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:303888	0,086
1.535	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:303891	0,150
1.536	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:303894	0,675
1.537	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303897	0,787
1.538	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:303900	1,573
1.539	Vigas	TQS - Viga retangular:TQS 20,0 x 130,0:303903	0,641
1.540	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:303906	6,139
1.541	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:303909	6,380
1.542	Vigas	TQS - Viga retangular:TQS 20,0 x 130,0:303912	0,806
1.543	Vigas	TQS - Viga retangular:TQS 20,0 x 130,0:303915	0,411
1.544	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:303918	0,113
1.545	Vigas	TQS - Viga retangular:TQS 20,0 x 15,0:303921	0,113
1.546	Vigas	TQS - Viga retangular:TQS 40,0 x 16,0:303924	0,058
1.547	Vigas	TQS - Viga retangular:TQS 25,0 x 120,0:303927	2,555
1.548	Vigas	TQS - Viga retangular:TQS 80,0 x 120,0:303932	1,524
1.549	Vigas	TQS - Viga retangular:TQS 30,0 x 80,0:303937	0,419
1.550	Vigas	TQS - Viga retangular:TQS 30,0 x 80,0:303940	0,362
1.551	Vigas	TQS - Viga retangular:TQS 30,0 x 80,0:303943	0,419
1.552	Vigas	TQS - Viga retangular:TQS 30,0 x 80,0:303946	0,362
1.553	Vigas	TQS - Viga retangular:TQS 25,0 x 120,0:303949	0,524
1.554	Vigas	TQS - Viga retangular:TQS 25,0 x 120,0:303952	1,290
1.555	Vigas	TQS - Viga retangular:TQS 25,0 x 120,0:303955	1,050
1.556	Vigas	TQS - Viga retangular:TQS 19,0 x 85,0:303960	0,300
1.557	Vigas	TQS - Viga retangular:TQS 19,0 x 85,0:304015	0,192
1.558	Vigas	TQS - Viga retangular:TQS 50,0 x 20,0:304018	0,424
1.559	Vigas	TQS - Viga retangular:TQS 50,0 x 20,0:304021	0,569
1.560	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:304024	0,078
1.561	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:304027	0,078
1.562	Vigas	TQS - Viga retangular:TQS 14,0 x 45,0:304032	0,252
1.563	Vigas	TQS - Viga retangular:TQS 14,0 x 45,0:304035	0,151
1.564	Vigas	TQS - Viga retangular:TQS 20,0 x 402,0:304040	4,205
1.565	Vigas	TQS - Viga retangular:TQS 20,0 x 120,0:304043	0,444
1.566	Vigas	TQS - Viga retangular:TQS 20,0 x 356,0:304048	1,309
1.567	Vigas	TQS - Viga retangular:TQS 20,0 x 120,0:304051	0,467
1.568	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:304054	0,222
1.569	Vigas	TQS - Viga retangular:TQS 60,0 x 130,0:304059	3,215
1.570	Vigas	TQS - Viga retangular:TQS 60,0 x 130,0:304062	0,515
1.571	Vigas	TQS - Viga retangular:TQS 60,0 x 130,0:304065	4,898
1.572	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304068	3,060
1.573	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304071	0,563
1.574	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304074	3,040
1.575	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:304079	11,524
1.576	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:304082	0,145
1.577	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:304085	0,771
1.578	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:304088	0,054
1.579	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:304091	4,889
1.580	Vigas	TQS - Viga retangular:TQS 19,0 x 95,0:304096	2,626
1.581	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:304099	0,975
1.582	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304102	0,201
1.583	Vigas	TQS - Viga retangular:TQS 25,0 x 95,0:304107	0,793
1.584	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304112	0,588
1.585	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304115	0,897
1.586	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304118	0,897
1.587	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304121	0,156

1.588	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304124	0,741
1.589	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304127	0,897
1.590	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304130	0,897
1.591	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304133	0,051
1.592	Vigas	TQS - Viga retangular:TQS 20,0 x 95,0:304138	1,151
1.593	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304141	0,296
1.594	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:304144	0,329
1.595	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304147	
1.596	Vigas	TQS - Viga retangular:TQS 30,0 x 95,0:304152	0,452
1.597	Vigas	TQS - Viga retangular:TQS 30,0 x 65,0:304157	0,808
1.598	Vigas	TQS - Viga retangular:TQS 30,0 x 65,0:304160	0,379
1.599	Vigas	TQS - Viga retangular:TQS 20,0 x 65,0:304163	3,434
1.600	Vigas	TQS - Viga retangular:TQS 20,0 x 95,0:304166	0,275
1.601	Vigas	TQS - Viga retangular:TQS 20,0 x 95,0:304169	0,466
1.602	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304172	1,555
1.603	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304232	1,388
1.604	Vigas	TQS - Viga retangular:TQS 14,0 x 30,0:304257	0,084
1.605	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304260	0,305
1.606	Vigas	TQS - Viga retangular:TQS 19,0 x 95,0:304263	2,539
1.607	Vigas	TQS - Viga retangular:TQS 45,0 x 80,0:304268	3,768
1.608	Vigas	TQS - Viga retangular:TQS 45,0 x 80,0:304271	0,044
1.609	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304274	0,606
1.610	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304277	3,040
1.611	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304280	3,040
1.612	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304283	3,040
1.613	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304286	3,040
1.614	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304289	3,055
1.615	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304311	3,088
1.616	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:304314	0,748
1.617	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:304317	0,743
1.618	Vigas	TQS - Viga retangular:TQS 20,0 x 95,0:304320	1,661
1.619	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304323	3,060
1.620	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304326	3,060
1.621	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:304329	3,276
1.622	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304332	0,342
1.623	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304335	1,573
1.624	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:304338	0,394
1.625	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:304341	0,237
1.626	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:304344	1,492
1.627	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:304347	0,472
1.628	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:304350	0,726
1.629	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304353	0,136
1.630	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304356	
1.631	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304359	0,136
1.632	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304362	0,009
1.633	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304365	1,298
1.634	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:304368	0,536
1.635	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:304371	0,011
1.636	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:304374	0,011
1.637	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:304377	0,075
1.638	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:304380	1,050
1.639	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305156	0,400
1.640	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:305161	0,905
1.641	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:305164	3,042
1.642	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305169	0,905
1.643	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305172	0,464
1.644	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305175	
1.645	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305178	2,710
1.646	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:305181	3,312
1.647	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:305184	0,828
1.648	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305187	1,280
1.649	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305190	0,811
1.650	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305195	3,402
1.651	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305198	1,806
1.652	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305201	3,402
1.653	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305204	1,806
1.654	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:305209	0,054
1.655	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:305214	0,965

1.656	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305217	0,760
1.657	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305220	1,735
1.658	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305223	0,760
1.659	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0	0,965
1.660	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0	0,130
1.661	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0	0,130
1.662	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0	0,965
1.663	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305240	0,760
1.664	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305243	1,735
1.665	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305246	0,760
1.666	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0	0,965
1.667	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0	0,130
1.668	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:305255	4,035
1.669	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:305258	1,013
1.670	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:305261	0,726
1.671	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:305264	0,252
1.672	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:305267	0,710
1.673	Vigas	TQS - Viga retangular:TQS 30,0 x 80,0:305270	1,131
1.674	Vigas	TQS - Viga retangular:TQS 30,0 x 130,0:305275	1,876
1.675	Vigas	TQS - Viga retangular:TQS 30,0 x 130,0:305278	1,816
1.676	Vigas	TQS - Viga retangular:TQS 30,0 x 120,0:305283	1,682
1.677	Vigas	TQS - Viga retangular:TQS 30,0 x 120,0:305286	1,696
1.678	Vigas	TQS - Viga retangular:TQS 30,0 x 135,0:305291	1,889
1.679	Vigas	TQS - Viga retangular:TQS 30,0 x 120,0:305294	1,696
1.680	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305297	0,348
1.681	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305300	0,130
1.682	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305303	1,537
1.683	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305306	0,173
1.684	Vigas	TQS - Viga retangular:TQS 20,0 x 95,0:305309	0,656
1.685	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305312	0,440
1.686	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305315	0,070
1.687	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305318	0,300
1.688	Vigas	TQS - Viga retangular:TQS 30,0 x 50,0:305321	0,227
1.689	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305324	0,260
1.690	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305327	0,144
1.691	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305330	0,173
1.692	Vigas	TQS - Viga retangular:TQS 20,0 x 107,0:305335	0,437
1.693	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305338	0,171
1.694	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305341	0,975
1.695	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305344	4,810
1.696	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305347	0,788
1.697	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:305350	0,280
1.698	Vigas	TQS - Viga retangular:TQS 50,0 x 18,0:305355	0,457
1.699	Vigas	TQS - Viga retangular:TQS 50,0 x 25,0:305360	0,358
1.700	Vigas	TQS - Viga retangular:TQS 50,0 x 45,0:305365	0,172
1.701	Vigas	TQS - Viga retangular:TQS 50,0 x 45,0:305368	0,172
1.702	Vigas	TQS - Viga retangular:TQS 50,0 x 25,0:305371	0,544
1.703	Vigas	TQS - Viga retangular:TQS 50,0 x 45,0:305374	0,187
1.704	Vigas	TQS - Viga retangular:TQS 50,0 x 25,0:305377	0,749
1.705	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:305380	0,078
1.706	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:305383	0,078
1.707	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305386	0,336
1.708	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305389	0,353
1.709	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305392	0,260
1.710	Vigas	TQS - Viga retangular:TQS 14,0 x 45,0:305395	0,252
1.711	Vigas	TQS - Viga retangular:TQS 14,0 x 45,0:305398	0,151
1.712	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:305401	0,139
1.713	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:305404	2,226
1.714	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:305407	2,985
1.715	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305410	0,191
1.716	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305413	10,092
1.717	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305416	0,145
1.718	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:305421	0,462
1.719	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305496	6,962
1.720	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305499	0,348
1.721	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305502	0,130
1.722	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305505	1,537
1.723	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:305510	1,956
1.724	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:305513	0,975

1.725	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305516	0,292
1.726	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:305521	0,643
1.727	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:305539	0,346
1.728	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:305542	0,329
1.729	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:305545	
1.730	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:305548	0,275
1.731	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:305565	0,463
1.732	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305568	1,602
1.733	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305571	1,396
1.734	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:305574	1,877
1.735	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:305577	0,318
1.736	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:305580	2,067
1.737	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:305583	1,231
1.738	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:305586	5,019
1.739	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305589	0,597
1.740	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305592	8,863
1.741	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305595	0,865
1.742	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305598	2,565
1.743	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:305601	0,690
1.744	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305604	0,009
1.745	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305607	1,166
1.746	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305610	0,461
1.747	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:305613	0,130
1.748	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:305616	0,965
1.749	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305619	1,012
1.750	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305622	1,987
1.751	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305625	0,760
1.752	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:305628	0,965
1.753	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:305631	0,130
1.754	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305634	2,655
1.755	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:305637	0,173
1.756	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:305666	0,565
1.757	Vigas	TQS - Viga retangular:TQS 25,0 x 85,0:305671	0,845
1.758	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:305676	1,275
1.759	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:305679	1,275
1.760	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:305682	1,275
1.761	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:305685	1,000
1.762	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:305688	0,163
1.763	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:305691	0,870
1.764	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:305694	0,900
1.765	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305697	0,827
1.766	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305700	0,130
1.767	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:305703	0,905
1.768	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:305706	3,222
1.769	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305709	0,905
1.770	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305712	0,130
1.771	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305715	0,130
1.772	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:305718	0,905
1.773	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:305721	3,222
1.774	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305724	0,905
1.775	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305727	0,130
1.776	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305730	3,150
1.777	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305733	1,806
1.778	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305736	3,150
1.779	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305739	1,806
1.780	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:305742	0,130
1.781	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:305745	0,965
1.782	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305748	0,760
1.783	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305751	1,735
1.784	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:305754	0,760
1.785	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:305757	0,965



1.830	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305892	0,905
1.831	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:305895	0,130
1.832	Vigas	TQS - Viga retangular:TQS 30,0 x 55,0:305900	0,647
1.833	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:305929	0,555
1.834	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:305932	0,555
1.835	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:305935	0,555
1.836	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:305938	0,848
1.837	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:305941	0,848
1.838	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:305944	5,291
1.839	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:305947	0,074
1.840	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305950	0,305
1.841	Vigas	TQS - Viga retangular:TQS 30,0 x 30,0:305955	0,003
1.842	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:305958	0,011
1.843	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:305961	0,011
1.844	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:305964	0,795
1.845	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:305967	0,173
1.846	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:305970	4,035
1.847	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:305973	0,203
1.848	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:305976	0,799
1.849	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:305979	0,280
1.850	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305982	0,070
1.851	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305985	0,300
1.852	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:305988	0,078
1.853	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:305991	0,078
1.854	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:305994	0,252
1.855	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306018	0,342
1.856	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:306033	0,336
1.857	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:306036	0,585
1.858	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306039	0,147
1.859	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:306044	0,390
1.860	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:306061	0,234
1.861	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306064	0,130
1.862	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306067	0,905
1.863	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306070	3,215
1.864	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306085	0,905
1.865	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:306088	0,510
1.866	Vigas	TQS - Viga retangular:TQS 60,0 x 75,0:306093	0,265
1.867	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:306096	2,226
1.868	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306099	2,345
1.869	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306102	0,637
1.870	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306105	11,524
1.871	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306108	0,145
1.872	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306111	0,348
1.873	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:306114	0,130
1.874	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:306117	1,537
1.875	Vigas	TQS - Viga retangular:TQS 19,0 x 87,0:306122	0,942
1.876	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306125	0,292
1.877	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306128	0,643
1.878	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306146	0,329
1.879	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306149	
1.880	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306152	0,275
1.881	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306166	0,463
1.882	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306169	1,602
1.883	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306172	1,396
1.884	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:306175	1,877
1.885	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:306178	1,231
1.886	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306181	0,690
1.887	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306184	0,440
1.888	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306187	0,130
1.889	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306190	0,905
1.890	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306193	3,222
1.891	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306196	0,905
1.892	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306199	0,130
1.893	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306202	0,130
1.894	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0	0,905

		0,0x0,0:306205	
1.895	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306208	3,222
1.896	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306211	0,905
1.897	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306214	0,130
1.898	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306217	0,130
1.899	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306220	0,905
1.900	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306223	3,222
1.901	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306226	0,905
1.902	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306229	0,130
1.903	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306232	0,130
1.904	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306235	0,905
1.905	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306238	3,222
1.906	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306241	0,905
1.907	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306244	0,130
1.908	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306247	0,130
1.909	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306250	0,905
1.910	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306253	3,222
1.911	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306256	0,905
1.912	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306259	0,130
1.913	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306262	0,130
1.914	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306265	0,905
1.915	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306268	3,222
1.916	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306271	0,905
1.917	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306274	0,130
1.918	Vigas	TQS - Viga retangular:TQS 30,0 x 55,0:306277	0,647
1.919	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:306293	0,555
1.920	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:306296	0,555
1.921	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:306299	0,555
1.922	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:306302	0,848
1.923	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:306305	0,848
1.924	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:306308	5,291
1.925	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:306311	0,074
1.926	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306314	0,305
1.927	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306317	0,011
1.928	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306320	0,011
1.929	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306323	0,629
1.930	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306326	8,919
1.931	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306329	0,865
1.932	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306332	2,565
1.933	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306335	5,019
1.934	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306338	0,130
1.935	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306341	0,905
1.936	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306344	3,222
1.937	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306347	0,905
1.938	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306350	0,130
1.939	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306353	0,130
1.940	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306356	0,905
1.941	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306359	3,222
1.942	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306362	0,905
1.943	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306365	0,130
1.944	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306368	0,130

1.945	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306371	0,905
1.946	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306374	3,222
1.947	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306377	0,905
1.948	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306380	0,130
1.949	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306383	0,130
1.950	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306386	0,905
1.951	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306389	3,222
1.952	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306392	0,905
1.953	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306395	0,130
1.954	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306398	0,130
1.955	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306401	0,905
1.956	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306404	3,222
1.957	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306407	0,905
1.958	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306410	0,130
1.959	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306413	2,655
1.960	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306416	3,402
1.961	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306419	1,806
1.962	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306422	3,402
1.963	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306425	1,806
1.964	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306428	0,173
1.965	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:306431	0,318
1.966	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:306434	2,067
1.967	Vigas	TQS - Viga retangular:TQS 30,0 x 30,0:306437	0,004
1.968	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306440	0,795
1.969	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:306443	4,035
1.970	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:306446	1,956
1.971	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:306449	0,346
1.972	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306452	0,130
1.973	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306455	0,905
1.974	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306458	3,215
1.975	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306482	0,905
1.976	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:306485	0,510
1.977	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:306488	0,066
1.978	Vigas	TQS - Viga retangular:TQS 60,0 x 75,0:306491	0,265
1.979	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306494	0,130
1.980	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306497	0,965
1.981	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306500	0,760
1.982	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306503	1,735
1.983	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306506	0,760
1.984	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306509	0,965
1.985	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306512	0,130
1.986	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306515	0,130
1.987	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306518	0,965
1.988	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306521	0,760
1.989	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306524	1,735
1.990	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306527	0,760
1.991	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306530	0,965
1.992	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306533	0,130
1.993	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:306536	0,203
1.994	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306539	0,799
1.995	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:306542	0,280
1.996	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:306545	0,070
1.997	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:306548	0,300
1.998	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306551	0,009
1.999	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306554	1,166

1.1000	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306557	0,173
1.1001	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306574	0,565
1.1002	Vigas	TQS - Viga retangular:TQS 25,0 x 90,0:306579	0,894
1.1003	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306582	4,843
1.1004	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306585	0,163
1.1005	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306588	0,870
1.1006	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306591	0,900
1.1007	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306594	0,827
1.1008	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:306597	0,462
1.1009	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306614	6,962
1.1010	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:306617	0,078
1.1011	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:306620	0,078
1.1012	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:306623	0,252
1.1013	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306638	0,342
1.1014	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:306653	0,336
1.1015	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:306656	0,585
1.1016	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306659	0,147
1.1017	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:306662	0,390
1.1018	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:306677	0,234
1.1019	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:306680	2,226
1.1020	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306683	2,985
1.1021	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306686	0,191
1.1022	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306689	10,092
1.1023	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306692	0,145
1.1024	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:306695	0,462
1.1025	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306709	6,962
1.1026	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306712	0,348
1.1027	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:306715	0,130
1.1028	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:306718	1,537
1.1029	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:306721	1,956
1.1030	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:306724	0,975
1.1031	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306727	0,292
1.1032	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306730	0,643
1.1033	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:306744	0,346
1.1034	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306747	0,329
1.1035	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306750	
1.1036	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306753	0,275
1.1037	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306767	0,463
1.1038	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306770	1,602
1.1039	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306773	1,396
1.1040	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:306776	1,877
1.1041	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:306779	0,318
1.1042	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:306782	2,067
1.1043	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:306785	1,231
1.1044	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306788	5,019
1.1045	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306791	0,597
1.1046	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306794	8,863
1.1047	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306797	0,865
1.1048	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306800	2,565
1.1049	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:306803	0,690
1.1050	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306806	0,009
1.1051	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306809	1,166
1.1052	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:306812	0,461
1.1053	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306815	0,130
1.1054	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:306818	0,965
1.1055	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306821	1,012
1.1056	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306824	1,987
1.1057	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:306827	0,760
1.1058	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306830	0,965
1.1059	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:306833	0,130
1.1060	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306836	2,655
1.1061	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306839	0,173
1.1062	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:306853	0,565
1.1063	Vigas	TQS - Viga retangular:TQS 25,0 x 90,0:306856	0,894
1.1064	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306859	4,843
1.1065	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306862	0,163
1.1066	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306865	0,870
1.1067	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:306868	0,900
1.1068	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:306871	0,827
1.1069	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:306874	0,130



		0,0x0,0:307015	
1.1117	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307018	3,222
1.1118	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307021	0,905
1.1119	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307024	0,130
1.1120	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307027	0,130
1.1121	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307030	0,905
1.1122	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307033	3,222
1.1123	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307036	0,905
1.1124	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307039	0,130
1.1125	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307042	0,130
1.1126	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307045	0,905
1.1127	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307048	3,222
1.1128	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307051	0,905
1.1129	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307054	0,130
1.1130	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307057	0,130
1.1131	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307060	0,905
1.1132	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307063	3,222
1.1133	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307066	0,905
1.1134	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307069	0,130
1.1135	Vigas	TQS - Viga retangular:TQS 30,0 x 55,0:307072	0,647
1.1136	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307087	0,555
1.1137	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307090	0,555
1.1138	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307093	0,555
1.1139	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307096	0,848
1.1140	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307099	0,848
1.1141	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:307102	5,291
1.1142	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:307105	0,074
1.1143	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307108	0,305
1.1144	Vigas	TQS - Viga retangular:TQS 30,0 x 30,0:307111	0,004
1.1145	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307114	0,011
1.1146	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307117	0,011
1.1147	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307120	0,795
1.1148	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307123	0,173
1.1149	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:307126	4,035
1.1150	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307129	0,130
1.1151	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307132	0,905
1.1152	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307135	3,215
1.1153	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307149	0,905
1.1154	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:307152	0,510
1.1155	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:307155	0,066
1.1156	Vigas	TQS - Viga retangular:TQS 60,0 x 75,0:307158	0,253
1.1157	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:307161	0,203
1.1158	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307164	0,799
1.1159	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:307167	0,280
1.1160	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:307170	0,070
1.1161	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:307173	0,300
1.1162	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:307176	0,078
1.1163	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:307179	0,078
1.1164	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:307182	0,252
1.1165	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307197	0,342
1.1166	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:307211	0,336
1.1167	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:307214	0,585
1.1168	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307217	0,147
1.1169	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:307220	0,390
1.1170	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:307234	0,234
1.1171	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:307237	2,226
1.1172	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307240	2,345
1.1173	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307243	0,637
1.1174	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307246	11,524

1.1175	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307249	0,145
1.1176	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307252	0,348
1.1177	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:307255	0,130
1.1178	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:307258	1,537
1.1179	Vigas	TQS - Viga retangular:TQS 19,0 x 87,0:307261	0,942
1.1180	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307264	0,292
1.1181	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307267	0,643
1.1182	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307281	0,329
1.1183	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307284	
1.1184	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307287	0,275
1.1185	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307301	0,463
1.1186	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307304	1,602
1.1187	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307307	1,396
1.1188	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:307310	1,877
1.1189	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:307313	1,231
1.1190	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307316	0,690
1.1191	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307319	0,440
1.1192	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307322	0,130
1.1193	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307325	0,905
1.1194	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307328	3,222
1.1195	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307331	0,905
1.1196	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307334	0,130
1.1197	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307337	0,130
1.1198	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307340	0,905
1.1199	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307343	3,222
1.1200	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307346	0,905
1.1201	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307349	0,130
1.1202	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307352	0,130
1.1203	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307355	0,905
1.1204	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307358	3,222
1.1205	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307361	0,905
1.1206	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307364	0,130
1.1207	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307367	0,130
1.1208	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307370	0,905
1.1209	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307373	3,222
1.1210	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307376	0,905
1.1211	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307379	0,130
1.1212	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307382	0,130
1.1213	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307385	0,905
1.1214	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307388	3,222
1.1215	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307391	0,905
1.1216	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307394	0,130
1.1217	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307397	0,130
1.1218	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307400	0,905
1.1219	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307403	3,222
1.1220	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307406	0,905
1.1221	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307409	0,130
1.1222	Vigas	TQS - Viga retangular:TQS 30,0 x 55,0:307412	0,647
1.1223	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307426	0,555
1.1224	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307429	0,555
1.1225	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307432	0,555
1.1226	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307435	0,848
1.1227	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:307438	0,848

1.1228	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:307441	5,291
1.1229	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:307444	0,074
1.1230	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307447	0,305
1.1231	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307450	0,011
1.1232	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307453	0,011
1.1233	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307456	0,629
1.1234	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307459	8,919
1.1235	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307462	0,865
1.1236	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307465	2,565
1.1237	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307468	5,019
1.1238	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307471	0,130
1.1239	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307474	0,905
1.1240	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307477	3,222
1.1241	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307480	0,905
1.1242	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307483	0,130
1.1243	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307486	0,130
1.1244	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307489	0,905
1.1245	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307492	3,222
1.1246	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307495	0,905
1.1247	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307498	0,130
1.1248	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307501	0,130
1.1249	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307504	0,905
1.1250	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307507	3,222
1.1251	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307510	0,905
1.1252	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307513	0,130
1.1253	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307516	0,130
1.1254	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307519	0,905
1.1255	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307522	3,222
1.1256	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307525	0,905
1.1257	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307528	0,130
1.1258	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307531	0,130
1.1259	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307534	0,905
1.1260	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307537	3,222
1.1261	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307540	0,905
1.1262	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307543	0,130
1.1263	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307546	2,655
1.1264	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307549	3,402
1.1265	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307552	1,806
1.1266	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307555	3,402
1.1267	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307558	1,806
1.1268	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307561	0,173
1.1269	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:307564	0,318
1.1270	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:307567	2,067
1.1271	Vigas	TQS - Viga retangular:TQS 30,0 x 30,0:307570	0,003
1.1272	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307573	0,795
1.1273	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:307576	4,035
1.1274	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:307579	1,956
1.1275	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:307582	0,346
1.1276	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307585	0,130
1.1277	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307588	0,905
1.1278	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307591	3,215
1.1279	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307605	0,905
1.1280	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:307608	0,510
1.1281	Vigas	TQS - Viga retangular:TQS 60,0 x 75,0:307611	0,265

1.1282	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307614	0,130
1.1283	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307617	0,965
1.1284	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307620	0,760
1.1285	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307623	1,735
1.1286	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307626	0,760
1.1287	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307629	0,965
1.1288	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307632	0,130
1.1289	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307635	0,130
1.1290	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307638	0,965
1.1291	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307641	0,760
1.1292	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307644	1,735
1.1293	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307647	0,760
1.1294	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307650	0,965
1.1295	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307653	0,130
1.1296	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:307656	0,203
1.1297	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307659	0,799
1.1298	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:307662	0,280
1.1299	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:307665	0,070
1.1300	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:307668	0,300
1.1301	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307671	0,009
1.1302	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307674	1,166
1.1303	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307677	0,173
1.1304	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307692	0,565
1.1305	Vigas	TQS - Viga retangular:TQS 25,0 x 90,0:307695	0,894
1.1306	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307698	4,843
1.1307	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307701	0,163
1.1308	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307704	0,870
1.1309	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307707	0,900
1.1310	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307710	0,827
1.1311	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:307713	0,462
1.1312	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307727	6,962
1.1313	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:307730	0,078
1.1314	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:307733	0,078
1.1315	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:307736	0,336
1.1316	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:307739	0,252
1.1317	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307753	0,342
1.1318	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:307767	0,585
1.1319	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307770	0,147
1.1320	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:307773	0,234
1.1321	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:307776	0,390
1.1322	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:307790	2,226
1.1323	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307793	2,985
1.1324	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307796	0,191
1.1325	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307799	10,092
1.1326	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307802	0,145
1.1327	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:307805	0,462
1.1328	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307819	6,962
1.1329	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307822	0,348
1.1330	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:307825	0,130
1.1331	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:307828	1,537
1.1332	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:307831	1,956
1.1333	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:307834	0,975
1.1334	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307837	0,292
1.1335	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307840	0,643
1.1336	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:307854	0,346
1.1337	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307857	0,329
1.1338	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307860	
1.1339	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307863	0,275
1.1340	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307877	0,463
1.1341	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307880	1,602
1.1342	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307883	1,396
1.1343	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:307886	1,877
1.1344	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:307889	0,318
1.1345	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:307892	2,067
1.1346	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:307895	1,231
1.1347	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307898	5,019
1.1348	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307901	0,597

1.1349	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307904	8,863
1.1350	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307907	0,865
1.1351	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307910	2,565
1.1352	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307913	0,690
1.1353	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307916	0,009
1.1354	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307919	1,166
1.1355	Vigas	TQS - Viga retangular:TQS 19,0 x 90,0:307922	0,585
1.1356	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307925	0,147
1.1357	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:307928	0,461
1.1358	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307931	0,130
1.1359	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307934	0,965
1.1360	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307937	1,012
1.1361	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307940	1,987
1.1362	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:307943	0,760
1.1363	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307946	0,965
1.1364	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:307949	0,130
1.1365	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307952	2,655
1.1366	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307955	0,121
1.1367	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:307969	0,625
1.1368	Vigas	TQS - Viga retangular:TQS 25,0 x 90,0:307972	0,894
1.1369	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307975	4,843
1.1370	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307978	0,163
1.1371	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307981	0,870
1.1372	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:307984	0,900
1.1373	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:307987	0,827
1.1374	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307990	0,130
1.1375	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:307993	0,905
1.1376	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:307996	3,222
1.1377	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:307999	0,905
1.1378	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308002	0,130
1.1379	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308005	0,130
1.1380	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308008	0,905
1.1381	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:308011	3,222
1.1382	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308014	0,905
1.1383	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308017	0,130
1.1384	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:308020	3,150
1.1385	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:308023	1,806
1.1386	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:308026	3,150
1.1387	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:308029	1,806
1.1388	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308032	0,130
1.1389	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308035	0,965
1.1390	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:308038	0,760
1.1391	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:308041	1,735
1.1392	Vigas	TQS - Viga retangular:TQS 60,0 x 70,0:308044	0,760
1.1393	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308047	0,965
1.1394	Vigas	TQS - Viga retangular misula:TQS 60,0x69,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308050	0,130
1.1395	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308053	0,130
1.1396	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308056	0,905
1.1397	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:308059	3,222
1.1398	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308062	0,905
1.1399	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308065	0,130
1.1400	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308068	0,130
1.1401	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308071	0,905
1.1402	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:308074	3,222
1.1403	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0	0,905



1.1452	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:308235	0,795
1.1453	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:308238	0,173
1.1454	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:308241	4,035
1.1455	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308244	0,130
1.1456	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308247	0,905
1.1457	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:308250	3,215
1.1458	Vigas	TQS - Viga retangular misula:TQS 60,0x59,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308264	0,905
1.1459	Vigas	TQS - Viga retangular:TQS 60,0 x 90,0:308267	0,510
1.1460	Vigas	TQS - Viga retangular:TQS 60,0 x 75,0:308270	0,320
1.1461	Vigas	TQS - Viga retangular:TQS 40,0 x 60,0:308273	0,203
1.1462	Vigas	TQS - Viga retangular:TQS 20,0 x 90,0:308276	0,799
1.1463	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:308279	0,280
1.1464	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:308282	0,070
1.1465	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:308285	0,300
1.1466	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:308288	0,336
1.1467	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:308291	0,078
1.1468	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:308294	0,078
1.1469	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:308297	0,342
1.1470	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:308312	0,252
1.1471	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:308326	0,390
1.1472	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:308340	0,234
1.1473	Vigas	TQS - Viga retangular:TQS 60,0 x 94,0:308345	2,325
1.1474	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308350	2,502
1.1475	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308353	0,681
1.1476	Vigas	TQS - Viga retangular:TQS 20,0 x 94,0:308358	1,331
1.1477	Vigas	TQS - Viga retangular:TQS 20,0 x 94,0:308361	0,011
1.1478	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308366	0,288
1.1479	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308369	2,495
1.1480	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308372	2,495
1.1481	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308375	2,495
1.1482	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308378	2,495
1.1483	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308381	2,495
1.1484	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308384	2,495
1.1485	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308387	2,495
1.1486	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308390	2,495
1.1487	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308393	0,286
1.1488	Vigas	TQS - Viga retangular:TQS 20,0 x 74,0:308398	0,489
1.1489	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308421	1,294
1.1490	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308424	2,495
1.1491	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308427	2,495
1.1492	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308430	2,495
1.1493	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308433	2,495
1.1494	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308436	2,495
1.1495	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308441	0,370
1.1496	Vigas	TQS - Viga retangular:TQS 19,0 x 94,0:308446	0,133
1.1497	Vigas	TQS - Viga retangular:TQS 19,0 x 94,0:308449	1,606
1.1498	Vigas	TQS - Viga retangular:TQS 19,0 x 178,0:308454	1,928
1.1499	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308457	0,311
1.1500	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:308460	0,643
1.1501	Vigas	TQS - Viga retangular:TQS 20,0 x 64,0:308482	0,350
1.1502	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:308485	0,242
1.1503	Vigas	TQS - Viga retangular:TQS 25,0 x 70,0:308501	0,463
1.1504	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308504	1,709
1.1505	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308507	1,526
1.1506	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:308510	1,855
1.1507	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:308527	1,231
1.1508	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308530	0,736
1.1509	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308533	0,446
1.1510	Vigas	TQS - Viga retangular:TQS 19,0 x 94,0:308536	0,084
1.1511	Vigas	TQS - Viga retangular:TQS 19,0 x 94,0:308539	0,088
1.1512	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308542	0,588
1.1513	Vigas	TQS - Viga retangular:TQS 19,0 x 94,0:308545	0,611
1.1514	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308548	0,124
1.1515	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308551	0,469
1.1516	Vigas	TQS - Viga retangular:TQS 25,0 x 74,0:308556	0,183
1.1517	Vigas	TQS - Viga retangular:TQS 25,0 x 74,0:308579	0,073
1.1518	Vigas	TQS - Viga retangular:TQS 25,0 x 74,0:308582	0,490
1.1519	Vigas	TQS - Viga retangular:TQS 25,0 x 94,0:308587	0,933
1.1520	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308590	2,206
1.1521	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308593	0,324
1.1522	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308596	1,860

1.1523	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308599	1,860
1.1524	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308602	1,458
1.1525	Vigas	TQS - Viga retangular:TQS 20,0 x 64,0:308605	0,174
1.1526	Vigas	TQS - Viga retangular:TQS 20,0 x 64,0:308608	0,928
1.1527	Vigas	TQS - Viga retangular:TQS 20,0 x 64,0:308611	0,960
1.1528	Vigas	TQS - Viga retangular:TQS 20,0 x 94,0:308614	0,385
1.1529	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308617	0,979
1.1530	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308622	0,151
1.1531	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308627	1,073
1.1532	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308632	1,352
1.1533	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308635	1,200
1.1534	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308638	0,615
1.1535	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308641	0,622
1.1536	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308646	1,073
1.1537	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308649	0,151
1.1538	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308652	0,151
1.1539	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308655	1,073
1.1540	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308658	1,352
1.1541	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308661	1,200
1.1542	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308664	1,237
1.1543	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308667	1,073
1.1544	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308670	0,151
1.1545	Vigas	TQS - Viga retangular:TQS 30,0 x 55,0:308673	0,647
1.1546	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:308708	0,555
1.1547	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:308711	0,555
1.1548	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:308714	0,555
1.1549	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:308717	0,848
1.1550	Vigas	TQS - Viga retangular:TQS 30,0 x 70,0:308720	0,848
1.1551	Vigas	TQS - Viga retangular:TQS 20,0 x 85,0:308723	5,291
1.1552	Vigas	TQS - Viga retangular:TQS 20,0 x 70,0:308726	0,074
1.1553	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308729	0,326
1.1554	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:308732	0,011
1.1555	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:308735	0,011
1.1556	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308738	1,244
1.1557	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308741	4,704
1.1558	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308744	0,321
1.1559	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308747	1,860
1.1560	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308750	1,860
1.1561	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308753	1,860
1.1562	Vigas	TQS - Viga retangular:TQS 20,0 x 124,0:308756	0,324
1.1563	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308759	4,701
1.1564	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308762	1,710
1.1565	Vigas	TQS - Viga retangular:TQS 20,0 x 94,0:308765	0,499
1.1566	Vigas	TQS - Viga retangular:TQS 20,0 x 262,0:308770	3,909
1.1567	Vigas	TQS - Viga retangular:TQS 20,0 x 262,0:308773	0,026
1.1568	Vigas	TQS - Viga retangular:TQS 20,0 x 262,0:308776	1,912
1.1569	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308779	5,281
1.1570	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308784	0,136
1.1571	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308789	0,953
1.1572	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308792	3,437
1.1573	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308797	0,953
1.1574	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308800	0,136
1.1575	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308803	0,136
1.1576	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308806	0,953
1.1577	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308809	3,437
1.1578	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308812	0,953
1.1579	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308815	0,136
1.1580	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308818	0,136
1.1581	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308821	0,953

		0,0x0,0:308821	
1.1582	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308824	3,437
1.1583	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308827	0,953
1.1584	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308830	0,136
1.1585	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308833	0,136
1.1586	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308836	0,953
1.1587	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308839	3,437
1.1588	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308842	0,953
1.1589	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308845	0,136
1.1590	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308848	0,136
1.1591	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308851	0,953
1.1592	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:308854	3,437
1.1593	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308857	0,953
1.1594	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308860	0,136
1.1595	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308865	0,136
1.1596	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308870	1,013
1.1597	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308873	1,070
1.1598	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308876	2,100
1.1599	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308879	0,804
1.1600	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308884	1,013
1.1601	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308887	0,136
1.1602	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308890	0,136
1.1603	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 20,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308893	1,013
1.1604	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308896	1,070
1.1605	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308899	2,100
1.1606	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308902	0,804
1.1607	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 0,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308905	1,013
1.1608	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 20,0x20,0 0,0x0,0 0,0x0,0 0,0x0,0:308908	0,136
1.1609	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:308911	5,180
1.1610	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308914	3,064
1.1611	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308917	1,909
1.1612	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308920	3,064
1.1613	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308923	1,909
1.1614	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:308926	0,184
1.1615	Vigas	TQS - Viga retangular:TQS 30,0 x 64,0:308931	0,348
1.1616	Vigas	TQS - Viga retangular:TQS 30,0 x 64,0:308934	0,708
1.1617	Vigas	TQS - Viga retangular:TQS 30,0 x 64,0:308937	0,693
1.1618	Vigas	TQS - Viga retangular:TQS 30,0 x 64,0:308940	0,661
1.1619	Vigas	TQS - Viga retangular:TQS 30,0 x 64,0:308943	0,170
1.1620	Vigas	TQS - Viga retangular:TQS 30,0 x 30,0:308946	0,003
1.1621	Vigas	TQS - Viga retangular:TQS 20,0 x 64,0:308949	0,848
1.1622	Vigas	TQS - Viga retangular:TQS 20,0 x 100,0:308952	4,035
1.1623	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:308955	1,956
1.1624	Vigas	TQS - Viga retangular:TQS 19,0 x 70,0:308958	0,346
1.1625	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:308961	0,078
1.1626	Vigas	TQS - Viga retangular:TQS 10,0 x 30,0:308964	0,078
1.1627	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:308967	0,151
1.1628	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:308970	1,073
1.1629	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:308973	1,345
1.1630	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309031	1,200
1.1631	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309034	0,615
1.1632	Vigas	TQS - Viga retangular:TQS 60,0 x 64,0:309037	0,538
1.1633	Vigas	TQS - Viga retangular misula:TQS 60,0x63,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309040	0,953
1.1634	Vigas	TQS - Viga retangular:TQS 60,0 x 94,0:309043	0,531
1.1635	Vigas	TQS - Viga retangular:TQS 60,0 x 94,0:309046	0,014
1.1636	Vigas	TQS - Viga retangular:TQS 60,0 x 79,0:309051	0,104

1.1637	Vigas	TQS - Viga retangular:TQS 40,0 x 64,0:309056	0,197
1.1638	Vigas	TQS - Viga retangular:TQS 20,0 x 178,0:309059	1,541
1.1639	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:309062	0,280
1.1640	Vigas	TQS - Viga retangular:TQS 14,0 x 64,0:309067	0,268
1.1641	Vigas	TQS - Viga retangular:TQS 19,0 x 64,0:309088	0,363
1.1642	Vigas	TQS - Viga retangular:TQS 14,0 x 64,0:309103	0,358
1.1643	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:309106	0,390
1.1644	Vigas	TQS - Viga retangular:TQS 14,0 x 70,0:309121	0,234
1.1645	Vigas	TQS - Viga retangular:TQS 30,0 x 30,0:309124	0,621
1.1646	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309127	0,151
1.1647	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:309130	1,073
1.1648	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309133	1,352
1.1649	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309136	1,200
1.1650	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309139	1,237
1.1651	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309142	1,073
1.1652	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309145	0,151
1.1653	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309148	0,151
1.1654	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:309151	1,073
1.1655	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309154	1,352
1.1656	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309157	1,200
1.1657	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309160	1,237
1.1658	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309163	1,073
1.1659	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309166	0,151
1.1660	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309169	0,151
1.1661	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:309172	1,073
1.1662	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309175	1,352
1.1663	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309178	1,200
1.1664	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309181	1,237
1.1665	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309184	1,073
1.1666	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309187	0,151
1.1667	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309190	0,151
1.1668	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x0,0 0,0x0,0 0,0x0,0 0,0x0,0:309193	1,073
1.1669	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309196	1,312
1.1670	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309199	1,240
1.1671	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309202	0,244
1.1672	Vigas	TQS - Viga retangular:TQS 60,0 x 74,0:309205	0,956
1.1673	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 0,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309208	1,073
1.1674	Vigas	TQS - Viga retangular misula:TQS 60,0x73,9 30,0x30,0 0,0x0,0 0,0x0,0 0,0x0,0:309211	0,151
1.1675	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309214	0,348
1.1676	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309217	1,112
1.1677	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309220	0,606
1.1678	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309223	0,211
1.1679	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:309226	3,476
1.1680	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:309229	0,319
1.1681	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309232	0,427
1.1682	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309256	0,476
1.1683	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309271	0,476
1.1684	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309285	0,216
1.1685	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309300	0,216
1.1686	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309315	0,708
1.1687	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309318	0,217
1.1688	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309333	0,539
1.1689	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309336	0,211
1.1690	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309352	0,427
1.1691	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309367	0,932
1.1692	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:309370	3,740
1.1693	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309373	0,342
1.1694	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309376	0,067
1.1695	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309379	0,139
1.1696	Vigas	TQS - Viga retangular:TQS 19,0 x 60,0:309382	1,074

1.1697	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:309385	0,381
1.1698	Vigas	TQS - Viga retangular:TQS 14,0 x 60,0:309388	0,236
1.1699	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309391	0,435
1.1700	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309394	0,104
1.1701	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309397	0,211
1.1702	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:309421	0,379
1.1703	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:309424	4,842
1.1704	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:309427	5,555
1.1705	Vigas	TQS - Viga retangular:TQS 25,0 x 40,0:309432	0,241
1.1706	Vigas	TQS - Viga retangular:TQS 25,0 x 40,0:309435	0,241
1.1707	Vigas	TQS - Viga retangular:TQS 25,0 x 40,0:309438	0,241
1.1708	Vigas	TQS - Viga retangular:TQS 25,0 x 40,0:309441	0,241
1.1709	Vigas	TQS - Viga retangular:TQS 25,0 x 40,0:309444	0,241
1.1710	Vigas	TQS - Viga retangular:TQS 25,0 x 40,0:309447	0,241
1.1711	Vigas	TQS - Viga retangular:TQS 25,0 x 40,0:309450	0,241
1.1712	Vigas	TQS - Viga retangular:TQS 19,0 x 40,0:309453	0,195
1.1713	Vigas	TQS - Viga retangular:TQS 19,0 x 40,0:309456	0,204
1.1714	Vigas	TQS - Viga retangular:TQS 14,0 x 50,0:309459	0,280
1.1715	Vigas	TQS - Viga retangular:TQS 60,0 x 60,0:309462	0,002
1.1716	Vigas	TQS - Viga retangular:TQS 20,0 x 40,0:309467	0,237
1.1717	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:309470	0,085
1.1718	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:309473	5,833
1.1719	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:309476	0,089
1.1720	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:309479	6,210
1.1721	Vigas	TQS - Viga retangular:TQS 20,0 x 50,0:309484	0,310
1.1722	Vigas	TQS - Viga retangular:TQS 20,0 x 50,0:309487	0,089
1.1723	Vigas	TQS - Viga retangular:TQS 19,0 x 50,0:309490	0,376
1.1724	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:309493	0,465
1.1725	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:309496	1,487
1.1726	Vigas	TQS - Viga retangular:TQS 20,0 x 80,0:309499	4,692
1.1727	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:309502	0,456
1.1728	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:309505	0,274
1.1729	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309508	0,708
1.1730	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309511	0,217
1.1731	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309544	0,477
1.1732	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309558	0,476
1.1733	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309572	0,216
1.1734	Vigas	TQS - Viga retangular:TQS 30,0 x 60,0:309586	0,216
1.1735	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:309600	0,810
1.1736	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:309603	0,285
1.1737	Vigas	TQS - Viga retangular:TQS 19,0 x 80,0:309606	1,262
1.1738	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309609	0,416
1.1739	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309612	0,430
1.1740	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309615	0,539
1.1741	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309618	0,211
1.1742	Vigas	TQS - Viga retangular:TQS 20,0 x 60,0:309635	0,651
1.1743	Vigas	TQS - Viga retangular:TQS 20,0 x 80,0:309638	0,425
1.1744	Vigas	TQS - Viga retangular:TQS 20,0 x 80,0:309641	0,545
1.1745	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309644	0,539
1.1746	Vigas	TQS - Viga retangular:TQS 25,0 x 60,0:309647	0,181
1.1747	Vigas	TQS - Viga retangular:TQS 20,0 x 80,0:309665	4,996
<b>2</b>	<b>Colunas</b>		<b>1.848,560</b>
2.1	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:270234	2,898
2.2	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:271993	2,718
2.3	Colunas	TQS - Pilar retangular:TQS - 200,0x19,0:272628	1,721
2.4	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272679	1,033
2.5	Colunas	TQS - Pilar retangular:TQS - 19,0x200,0:272727	1,721
2.6	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272781	1,642
2.7	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272833	0,869
2.8	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272855	0,815
2.9	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272871	0,869
2.10	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272885	0,869
2.11	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:272901	1,739
2.12	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272923	0,869
2.13	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:272940	1,811
2.14	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272964	1,208
2.15	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272987	1,208
2.16	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:273000	1,208
2.17	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:273015	0,869
2.18	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:273037	1,739
2.19	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:273054	1,159
2.20	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273076	2,898
2.21	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273709	2,898
2.22	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:274341	2,276

2.23	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:275582	2,276
2.24	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:276820	2,276
2.25	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:278058	2,276
2.26	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:279296	2,276
2.27	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280534	2,277
2.28	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280564	2,275
2.29	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:282427	2,898
2.30	Colunas	TQS - Pilar retangular:TQS - 150,0x60,0:283067	4,077
2.31	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:283089	1,739
2.32	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:284389	0,869
2.33	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:284433	1,811
2.34	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284461	0,773
2.35	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284479	0,773
2.36	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284493	0,773
2.37	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284507	1,087
2.38	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284522	1,087
2.39	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284536	1,087
2.40	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284550	1,087
2.41	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284564	1,087
2.42	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:284596	1,487
2.43	Colunas	TQS - Pilar retangular:TQS - 60,0x20,0:284638	0,605
2.44	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285270	0,827
2.45	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285292	0,827
2.46	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:285314	0,430
2.47	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285333	0,725
2.48	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285346	0,773
2.49	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285360	1,811
2.50	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285374	1,811
2.51	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:285390	0,551
2.52	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:285409	2,898
2.53	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:286041	2,898
2.54	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:286673	2,898
2.55	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:287306	2,898
2.56	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287939	2,275
2.57	Colunas	TQS - Pilar retangular:TQS - 60,0x20,0:289177	0,605
2.58	Colunas	TQS - Pilar retangular:TQS - 60,0x20,0:289179	0,605
2.59	Colunas	TQS - Pilar retangular:TQS - 20,0x20,0:289183	0,202
2.60	Colunas	TQS - Pilar retangular:TQS - 20,0x20,0:289186	0,202
2.61	Colunas	TQS - Pilar retangular:TQS - 60,0x20,0:289189	0,605
2.62	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289191	2,898
2.63	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:289824	1,159
2.64	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289913	2,277
2.65	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289939	2,277
2.66	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289985	2,898
2.67	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290621	5,959
2.68	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290672	3,386
2.69	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290724	3,386
2.70	Colunas	TQS - Pilar retangular:TQS - 62,5x20,0:292880	0,630
2.71	Colunas	TQS - Pilar retangular:TQS - 65,0x20,0:292885	0,655
2.72	Colunas	TQS - Pilar retangular:TQS - 60,0x20,0:292889	0,605
2.73	Colunas	TQS - Pilar retangular:TQS - 20,0x20,0:292892	0,202
2.74	Colunas	TQS - Pilar retangular:TQS - 20,0x20,0:292894	0,202
2.75	Colunas	TQS - Pilar retangular:TQS - 60,0x20,0:292896	0,605
2.76	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292898	0,869
2.77	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:292928	1,811
2.78	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292944	4,063
2.79	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292996	4,063
2.80	Colunas	TQS - Pilar retangular:TQS - 19,0x40,0:293066	0,344
2.81	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293073	2,277
2.82	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293715	2,277
2.83	Colunas	TQS - Pilar Polig_1:TQS Column:294790	1,223
2.84	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294793	1,133
2.85	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294796	1,133
2.86	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294799	1,133
2.87	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:294803	1,133
2.88	Colunas	TQS - Pilar retangular:TQS - 200,0x25,0:294808	2,265
2.89	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294812	1,133
2.90	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294815	1,133
2.91	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294817	1,133
2.92	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294819	1,133
2.93	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294821	1,133
2.94	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294823	1,133
2.95	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:294825	1,133
2.96	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:294827	1,699

2.97	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:294829	1,472
2.98	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294833	1,133
2.99	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294836	1,133
2.100	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294838	1,133
2.101	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294840	1,133
2.102	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294842	1,133
2.103	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:294844	1,133
2.104	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:294846	1,133
2.105	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:294889	2,898
2.106	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:295523	1,811
2.107	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:295537	1,739
2.108	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:295551	1,133
2.109	Colunas	TQS - Pilar Polig_2:TQS Column:296063	8,079
2.110	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:296123	0,430
2.111	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296135	0,869
2.112	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296161	1,133
2.113	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296167	1,133
2.114	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296171	1,133
2.115	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296175	1,133
2.116	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296179	1,133
2.117	Colunas	TQS - Pilar retangular:TQS - 175,0x25,0:296185	1,982
2.118	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296191	1,133
2.119	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:296193	1,088
2.120	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:296195	1,088
2.121	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296198	1,133
2.122	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296200	1,133
2.123	Colunas	TQS - Pilar Polig_3:TQS Column:296636	1,386
2.124	Colunas	TQS - Pilar Polig_4:TQS Column:297073	1,138
2.125	Colunas	TQS - Pilar Polig_5:TQS Column:297507	0,981
2.126	Colunas	TQS - Pilar Polig_6:TQS Column:297941	0,916
2.127	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:297944	1,133
2.128	Colunas	TQS - Pilar Polig_5:TQS Column:297947	0,982
2.129	Colunas	TQS - Pilar Polig_5:TQS Column:297949	0,981
2.130	Colunas	TQS - Pilar Polig_6:TQS Column:297951	0,915
2.131	Colunas	TQS - Pilar Polig_6:TQS Column:297953	0,915
2.132	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:270237	1,836
2.133	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:271995	1,836
2.134	Colunas	TQS - Pilar retangular:TQS - 200,0x19,0:272631	1,163
2.135	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272682	0,698
2.136	Colunas	TQS - Pilar retangular:TQS - 19,0x200,0:272730	1,163
2.137	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272785	1,109
2.138	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272836	0,551
2.139	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272858	0,551
2.140	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272873	0,551
2.141	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272887	0,551
2.142	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:272904	1,102
2.143	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272926	0,551
2.144	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:272943	1,147
2.145	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272968	0,765
2.146	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272990	0,765
2.147	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:273003	0,765
2.148	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:273018	0,551
2.149	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:273040	1,102
2.150	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:273057	0,734
2.151	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273079	1,836
2.152	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273711	1,836
2.153	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:274951	1,836
2.154	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:276190	1,836
2.155	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:277428	1,836
2.156	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:278666	1,836
2.157	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:279904	1,836
2.158	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280536	1,538
2.159	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:281172	1,836
2.160	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:282431	1,836
2.161	Colunas	TQS - Pilar retangular:TQS - 150,0x60,0:283070	2,754
2.162	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:283091	1,102
2.163	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:284391	0,551
2.164	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:284436	1,147
2.165	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284464	0,490
2.166	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284481	0,490
2.167	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284495	0,490
2.168	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284509	0,734
2.169	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284524	0,734
2.170	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284538	0,734

2.171	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284552	0,734
2.172	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284566	0,734
2.173	Colunas	TQS - Pilar retangular:TQS - 24,0x50,0:284580	0,367
2.174	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:284598	0,958
2.175	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284611	1,538
2.176	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285273	0,547
2.177	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285294	0,547
2.178	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:285317	0,291
2.179	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285335	0,490
2.180	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285348	0,490
2.181	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285362	1,147
2.182	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285376	1,147
2.183	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:285393	0,349
2.184	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:285411	1,836
2.185	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:286043	1,836
2.186	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:286675	1,836
2.187	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:287308	1,836
2.188	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:288547	1,836
2.189	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289193	1,836
2.190	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:289826	0,734
2.191	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289915	1,538
2.192	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289941	1,538
2.193	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289988	1,836
2.194	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290624	4,025
2.195	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290675	2,287
2.196	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290726	2,287
2.197	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290757	0,551
2.198	Colunas	TQS - Pilar Polig_0:TQS Column:292675	1,197
2.199	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292900	0,551
2.200	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:292930	1,147
2.201	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292947	2,745
2.202	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292998	2,745
2.203	Colunas	TQS - Pilar retangular:TQS - 19,0x40,0:293069	0,233
2.204	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293075	1,538
2.205	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293718	1,538
2.206	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:294892	1,836
2.207	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:295525	1,147
2.208	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:295539	0,958
2.209	Colunas	TQS - Pilar Polig_2:TQS Column:296066	5,458
2.210	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:296125	0,291
2.211	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296137	0,551
2.212	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296164	0,765
2.213	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296169	0,765
2.214	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296173	0,765
2.215	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296177	0,765
2.216	Colunas	TQS - Pilar retangular:TQS - 25,0x100,0:296181	0,765
2.217	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:296188	0,765
2.218	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:270241	1,836
2.219	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:271998	1,836
2.220	Colunas	TQS - Pilar retangular:TQS - 200,0x19,0:272635	1,163
2.221	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272686	0,698
2.222	Colunas	TQS - Pilar retangular:TQS - 19,0x200,0:272734	1,163
2.223	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272789	1,109
2.224	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272840	0,551
2.225	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272861	0,551
2.226	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272875	0,551
2.227	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272889	0,551
2.228	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:272908	1,102
2.229	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272928	0,551
2.230	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:272947	1,147
2.231	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272972	0,765
2.232	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272992	0,765
2.233	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:273005	0,765
2.234	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:273022	0,551
2.235	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:273042	1,102
2.236	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:273061	0,734
2.237	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273081	1,836
2.238	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273713	1,836
2.239	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:274953	1,836
2.240	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:276192	1,836
2.241	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:277430	1,836
2.242	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:278668	1,836
2.243	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:279906	1,836
2.244	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280539	1,538

2.245	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:281174	1,836
2.246	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:282435	1,836
2.247	Colunas	TQS - Pilar retangular:TQS - 150,0x60,0:283074	2,754
2.248	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:283093	1,102
2.249	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284366	1,689
2.250	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:284393	0,551
2.251	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:284438	1,147
2.252	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284468	0,490
2.253	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284483	0,490
2.254	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284497	0,490
2.255	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284512	0,734
2.256	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284526	0,734
2.257	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284540	0,734
2.258	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284554	0,734
2.259	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284568	0,734
2.260	Colunas	TQS - Pilar retangular:TQS - 24,0x50,0:284583	0,367
2.261	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:284601	0,958
2.262	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284614	1,538
2.263	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285277	0,547
2.264	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285296	0,547
2.265	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:285321	0,291
2.266	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285338	0,490
2.267	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285350	0,490
2.268	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285364	1,147
2.269	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285378	1,147
2.270	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:285397	0,349
2.271	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:285413	1,836
2.272	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:286045	1,836
2.273	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:286677	1,836
2.274	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:287310	1,836
2.275	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:288549	1,836
2.276	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289195	1,836
2.277	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:289828	0,734
2.278	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289917	1,538
2.279	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289943	1,538
2.280	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289990	1,836
2.281	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290628	4,025
2.282	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290679	2,287
2.283	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290728	2,287
2.284	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290759	0,551
2.285	Colunas	TQS - Pilar Polig_0:TQS Column:292678	1,197
2.286	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292902	0,551
2.287	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:292932	1,147
2.288	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292951	2,745
2.289	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:293000	2,745
2.290	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293077	1,538
2.291	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293720	1,538
2.292	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:294894	1,836
2.293	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:295527	1,147
2.294	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:295541	0,958
2.295	Colunas	TQS - Pilar Polig_2:TQS Column:296070	5,458
2.296	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:296127	0,291
2.297	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296139	0,551
2.298	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:270244	1,836
2.299	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:272000	1,836
2.300	Colunas	TQS - Pilar retangular:TQS - 200,0x19,0:272638	1,163
2.301	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272689	0,698
2.302	Colunas	TQS - Pilar retangular:TQS - 19,0x200,0:272737	1,163
2.303	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272792	1,109
2.304	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272843	0,551
2.305	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272863	0,551
2.306	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272877	0,551
2.307	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272891	0,551
2.308	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:272911	1,102
2.309	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272930	0,551
2.310	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:272950	1,147
2.311	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272975	0,765
2.312	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272994	0,765
2.313	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:273007	0,765
2.314	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:273025	0,551
2.315	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:273044	1,102
2.316	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:273064	0,734
2.317	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273083	1,836
2.318	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273715	1,836

2.319	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:274955	1,836
2.320	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:276194	1,836
2.321	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:277432	1,836
2.322	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:278670	1,836
2.323	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:279908	1,836
2.324	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280542	1,538
2.325	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:281176	1,836
2.326	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:282438	1,836
2.327	Colunas	TQS - Pilar retangular:TQS - 150,0x60,0:283077	2,754
2.328	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:283095	1,102
2.329	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284368	1,538
2.330	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:284395	0,551
2.331	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:284440	1,147
2.332	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284471	0,490
2.333	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284485	0,490
2.334	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284499	0,490
2.335	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284514	0,734
2.336	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284528	0,734
2.337	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284542	0,734
2.338	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284556	0,734
2.339	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284570	0,734
2.340	Colunas	TQS - Pilar retangular:TQS - 24,0x50,0:284587	0,367
2.341	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:284603	0,958
2.342	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284616	1,538
2.343	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285280	0,547
2.344	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285298	0,547
2.345	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:285324	0,291
2.346	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285340	0,490
2.347	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285352	0,490
2.348	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285366	1,147
2.349	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285380	1,147
2.350	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:285400	0,349
2.351	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:285415	1,836
2.352	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:286047	1,836
2.353	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:286679	1,836
2.354	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:287312	1,836
2.355	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:288551	1,836
2.356	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289197	1,836
2.357	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:289830	0,734
2.358	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289840	1,530
2.359	Colunas	TQS - Pilar retangular:TQS - 100,0x40,0:289849	1,224
2.360	Colunas	TQS - Pilar retangular:TQS - 100,0x40,0:289856	1,224
2.361	Colunas	TQS - Pilar retangular:TQS - 100,0x40,0:289860	1,224
2.362	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289864	1,530
2.363	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289868	1,530
2.364	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289872	1,530
2.365	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289876	1,530
2.366	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289880	1,530
2.367	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289886	1,224
2.368	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289893	1,224
2.369	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289897	1,224
2.370	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289901	1,224
2.371	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289905	1,224
2.372	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289909	1,224
2.373	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289919	1,538
2.374	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289945	1,538
2.375	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289992	1,836
2.376	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290631	4,025
2.377	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290682	2,287
2.378	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290730	2,287
2.379	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290761	0,551
2.380	Colunas	TQS - Pilar Polig. 0:TQS Column:292682	1,197
2.381	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292904	0,551
2.382	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:292934	1,147
2.383	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292954	2,745
2.384	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:293002	2,745
2.385	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293079	1,538
2.386	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293722	1,538
2.387	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294848	1,224
2.388	Colunas	TQS - Pilar retangular:TQS - 100,0x40,0:294852	1,224
2.389	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294856	1,224
2.390	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294860	1,224
2.391	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294864	1,224
2.392	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294868	1,224

2.393	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:294896	1,836
2.394	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:295529	1,147
2.395	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:295543	0,958
2.396	Colunas	TQS - Pilar Polig_2:TQS Column:296073	5,458
2.397	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296102	1,719
2.398	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:296129	0,291
2.399	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296141	0,551
2.400	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:270247	1,836
2.401	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:271363	1,836
2.402	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:272002	1,836
2.403	Colunas	TQS - Pilar retangular:TQS - 200,0x19,0:272641	1,163
2.404	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272692	0,698
2.405	Colunas	TQS - Pilar retangular:TQS - 19,0x200,0:272740	1,163
2.406	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272795	1,109
2.407	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272846	0,551
2.408	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272865	0,551
2.409	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272879	0,551
2.410	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272893	0,551
2.411	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:272914	1,102
2.412	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272932	0,551
2.413	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:272953	1,147
2.414	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272978	0,765
2.415	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272996	0,765
2.416	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:273009	0,765
2.417	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:273028	0,551
2.418	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:273046	1,102
2.419	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:273067	0,734
2.420	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273085	1,836
2.421	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273717	1,836
2.422	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:274957	1,836
2.423	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:276196	1,836
2.424	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:277434	1,836
2.425	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:278672	1,836
2.426	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:279910	1,836
2.427	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280545	1,538
2.428	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:281178	1,836
2.429	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:281802	1,836
2.430	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:282440	1,836
2.431	Colunas	TQS - Pilar retangular:TQS - 150,0x60,0:283080	2,754
2.432	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:283097	1,102
2.433	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:283741	1,836
2.434	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284371	1,538
2.435	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:284397	0,551
2.436	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284405	2,142
2.437	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:284442	1,147
2.438	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284450	0,490
2.439	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284473	0,490
2.440	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284487	0,490
2.441	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284501	0,490
2.442	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284516	0,734
2.443	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284530	0,734
2.444	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284544	0,734
2.445	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284558	0,734
2.446	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284572	0,734
2.447	Colunas	TQS - Pilar retangular:TQS - 24,0x50,0:284590	0,367
2.448	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:284605	0,958
2.449	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284618	1,538
2.450	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:284642	1,836
2.451	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285283	0,547
2.452	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285300	0,547
2.453	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285306	0,490
2.454	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:285327	0,291
2.455	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285342	0,490
2.456	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285354	0,490
2.457	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285368	1,147
2.458	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285382	1,147
2.459	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:285403	0,349
2.460	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:285417	1,836
2.461	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:286049	1,836
2.462	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:286681	1,836
2.463	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:287314	1,836
2.464	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:288553	1,836
2.465	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289199	1,836
2.466	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:289832	0,734

2.467	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289843	1,530
2.468	Colunas	TQS - Pilar retangular:TQS - 100,0x40,0:289852	1,224
2.469	Colunas	TQS - Pilar retangular:TQS - 100,0x40,0:289858	1,224
2.470	Colunas	TQS - Pilar retangular:TQS - 100,0x40,0:289862	1,224
2.471	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289866	1,530
2.472	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289870	1,530
2.473	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289874	1,530
2.474	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289878	1,530
2.475	Colunas	TQS - Pilar retangular:TQS - 100,0x50,0:289882	1,530
2.476	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289889	1,224
2.477	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289895	1,224
2.478	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289899	1,224
2.479	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289903	1,224
2.480	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289907	1,224
2.481	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:289911	1,224
2.482	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289921	1,538
2.483	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289947	1,538
2.484	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289994	1,836
2.485	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290634	4,025
2.486	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290685	2,287
2.487	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290732	2,287
2.488	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290763	0,551
2.489	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290909	1,377
2.490	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290916	1,377
2.491	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290920	1,377
2.492	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290924	1,377
2.493	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290928	1,377
2.494	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290932	1,377
2.495	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290936	1,377
2.496	Colunas	TQS - Pilar retangular:TQS - 30,0x120,0:290942	1,102
2.497	Colunas	TQS - Pilar retangular:TQS - 30,0x170,0:290951	1,561
2.498	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:290995	1,836
2.499	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:291620	1,836
2.500	Colunas	TQS - Pilar Polig. 0:TQS Column:292685	1,197
2.501	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292906	0,551
2.502	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:292936	1,147
2.503	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292957	2,745
2.504	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:293004	2,745
2.505	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293028	2,142
2.506	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293081	1,538
2.507	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293724	1,538
2.508	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294850	1,224
2.509	Colunas	TQS - Pilar retangular:TQS - 100,0x40,0:294854	1,224
2.510	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294858	1,224
2.511	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294862	1,224
2.512	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294866	1,224
2.513	Colunas	TQS - Pilar retangular:TQS - 40,0x100,0:294870	1,224
2.514	Colunas	TQS - Pilar retangular:TQS - 30,0x200,0:294882	1,836
2.515	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:294898	1,836
2.516	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:295531	1,147
2.517	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:295545	0,958
2.518	Colunas	TQS - Pilar retangular:TQS - 100,0x30,0:295556	0,918
2.519	Colunas	TQS - Pilar retangular:TQS - 280,0x30,0:295598	2,570
2.520	Colunas	TQS - Pilar Polig. 2:TQS Column:296076	5,458
2.521	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296104	1,538
2.522	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:296131	0,291
2.523	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296143	0,551
2.524	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:270250	1,836
2.525	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:271367	1,836
2.526	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:272004	1,836
2.527	Colunas	TQS - Pilar retangular:TQS - 200,0x19,0:272644	1,163
2.528	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272695	0,698
2.529	Colunas	TQS - Pilar retangular:TQS - 19,0x200,0:272743	1,163
2.530	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272798	1,109
2.531	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272849	0,551
2.532	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272867	0,551
2.533	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272881	0,551
2.534	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272895	0,551
2.535	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:272917	1,102
2.536	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272934	0,551
2.537	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:272956	1,147
2.538	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272981	0,765
2.539	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272998	1,065
2.540	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:273011	1,065

2.541	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:273031	0,551
2.542	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:273048	1,102
2.543	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:273070	0,734
2.544	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273087	1,836
2.545	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273719	1,836
2.546	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:274959	1,836
2.547	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:276198	1,836
2.548	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:277436	1,836
2.549	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:278674	1,836
2.550	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:279912	1,836
2.551	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280548	1,538
2.552	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:281180	1,836
2.553	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:281804	1,836
2.554	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:282442	1,836
2.555	Colunas	TQS - Pilar retangular:TQS - 150,0x60,0:283083	2,754
2.556	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:283099	1,102
2.557	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:283743	1,836
2.558	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284373	1,538
2.559	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:284399	0,551
2.560	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284408	2,142
2.561	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:284444	1,147
2.562	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284454	0,490
2.563	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284475	0,490
2.564	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284489	0,490
2.565	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284503	0,490
2.566	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284518	0,734
2.567	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284532	0,734
2.568	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284546	0,734
2.569	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284560	0,734
2.570	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284574	0,734
2.571	Colunas	TQS - Pilar retangular:TQS - 24,0x50,0:284593	0,367
2.572	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:284607	0,958
2.573	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284620	1,538
2.574	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:284645	1,836
2.575	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285286	0,581
2.576	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285302	0,581
2.577	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285308	0,490
2.578	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:285330	0,291
2.579	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285344	0,490
2.580	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285356	0,490
2.581	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285370	1,147
2.582	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285384	1,147
2.583	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:285406	0,349
2.584	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:285419	1,836
2.585	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:286051	1,836
2.586	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:286683	1,836
2.587	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:287316	1,836
2.588	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:288555	1,836
2.589	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289201	1,836
2.590	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:289834	0,734
2.591	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289923	1,538
2.592	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289949	1,538
2.593	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289996	1,836
2.594	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290637	4,025
2.595	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290688	2,287
2.596	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290734	2,287
2.597	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290765	0,551
2.598	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290795	1,377
2.599	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290802	1,377
2.600	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290806	1,377
2.601	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290810	1,377
2.602	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290814	1,377
2.603	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290818	1,377
2.604	Colunas	TQS - Pilar retangular:TQS - 180,0x30,0:290824	1,652
2.605	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290831	1,377
2.606	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290835	1,377
2.607	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290839	1,377
2.608	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290843	1,377
2.609	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290847	1,377
2.610	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290851	1,377
2.611	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290855	1,377
2.612	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290859	1,377
2.613	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290863	1,377
2.614	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290867	1,377

2.615	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290871	1,377
2.616	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290875	1,377
2.617	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290879	1,377
2.618	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290883	1,377
2.619	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290887	1,377
2.620	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290891	1,377
2.621	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290895	1,377
2.622	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290899	1,377
2.623	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290903	1,377
2.624	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290912	1,377
2.625	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290918	1,377
2.626	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290922	1,377
2.627	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290926	1,377
2.628	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290930	1,377
2.629	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290934	1,377
2.630	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290938	1,377
2.631	Colunas	TQS - Pilar retangular:TQS - 30,0x120,0:290945	1,822
2.632	Colunas	TQS - Pilar retangular:TQS - 30,0x170,0:290955	1,561
2.633	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290962	1,377
2.634	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290967	1,377
2.635	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290971	1,377
2.636	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290975	1,377
2.637	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290979	1,377
2.638	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290983	1,377
2.639	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290987	1,377
2.640	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290991	1,377
2.641	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:290997	1,836
2.642	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:291622	1,836
2.643	Colunas	TQS - Pilar Polig. 0:TQS Column:292688	1,197
2.644	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292908	0,551
2.645	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:292938	1,147
2.646	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292960	2,745
2.647	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:293006	2,745
2.648	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293030	2,142
2.649	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293083	1,536
2.650	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293726	1,536
2.651	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:294872	1,377
2.652	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:294876	1,377
2.653	Colunas	TQS - Pilar retangular:TQS - 30,0x200,0:294885	4,128
2.654	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:294900	1,836
2.655	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:295533	1,147
2.656	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:295547	0,958
2.657	Colunas	TQS - Pilar retangular:TQS - 100,0x30,0:295559	0,918
2.658	Colunas	TQS - Pilar retangular:TQS - 280,0x30,0:295602	2,570
2.659	Colunas	TQS - Pilar Polig. 2:TQS Column:296079	5,458
2.660	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296107	1,538
2.661	Colunas	TQS - Pilar retangular:TQS - 19,0x50,0:296133	0,291
2.662	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296145	0,551
2.663	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:270253	2,322
2.664	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:271371	2,322
2.665	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:272006	2,322
2.666	Colunas	TQS - Pilar retangular:TQS - 200,0x19,0:272647	1,471
2.667	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272698	0,882
2.668	Colunas	TQS - Pilar retangular:TQS - 19,0x200,0:272746	1,471
2.669	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272801	1,403
2.670	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272852	0,643
2.671	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272869	0,643
2.672	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272883	0,643
2.673	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272897	0,643
2.674	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:272920	1,285
2.675	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:272936	0,643
2.676	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:272959	0,926
2.677	Colunas	TQS - Pilar retangular:TQS - 100,0x25,0:272984	0,680
2.678	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:273034	0,643
2.679	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:273050	1,285
2.680	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:273073	0,857
2.681	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273089	2,322
2.682	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:273721	2,322
2.683	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:275567	1,944
2.684	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:276806	1,944
2.685	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:278044	1,944
2.686	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:279282	1,944
2.687	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280520	1,944
2.688	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280550	1,944

2.689	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:281788	1,944
2.690	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:281806	2,322
2.691	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:282444	2,322
2.692	Colunas	TQS - Pilar retangular:TQS - 150,0x60,0:283086	3,483
2.693	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283710	1,258
2.694	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:283745	2,322
2.695	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284375	1,945
2.696	Colunas	TQS - Pilar retangular:TQS - 30,0x60,0:284401	0,697
2.697	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284412	2,709
2.698	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:284446	1,020
2.699	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284458	0,619
2.700	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284477	0,619
2.701	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284491	0,619
2.702	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:284505	0,619
2.703	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284520	0,929
2.704	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284534	0,929
2.705	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284548	0,929
2.706	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284562	0,929
2.707	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:284576	0,929
2.708	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:284609	0,979
2.709	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284622	1,945
2.710	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:284647	2,322
2.711	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285289	0,735
2.712	Colunas	TQS - Pilar retangular:TQS - 100,0x19,0:285304	0,735
2.713	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285310	0,619
2.714	Colunas	TQS - Pilar retangular:TQS - 40,0x40,0:285358	0,619
2.715	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285372	1,020
2.716	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:285386	0,926
2.717	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:285421	2,322
2.718	Colunas	TQS - Pilar retangular:TQS - 60,0x100,0:286053	2,322
2.719	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:286685	2,322
2.720	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:287318	2,322
2.721	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289163	1,944
2.722	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289203	2,322
2.723	Colunas	TQS - Pilar retangular:TQS - 40,0x60,0:289836	0,857
2.724	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289925	1,944
2.725	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289951	1,944
2.726	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:289965	1,393
2.727	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:289998	2,322
2.728	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290640	5,091
2.729	Colunas	TQS - Pilar retangular:TQS - 25,0x299,0:290691	2,893
2.730	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290736	2,844
2.731	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290767	0,697
2.732	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290798	1,741
2.733	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290804	1,741
2.734	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290808	1,741
2.735	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290812	1,741
2.736	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290816	1,741
2.737	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290820	1,741
2.738	Colunas	TQS - Pilar retangular:TQS - 180,0x30,0:290827	2,090
2.739	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290833	1,741
2.740	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290837	1,741
2.741	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290841	1,741
2.742	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290845	1,741
2.743	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290849	1,741
2.744	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290853	1,741
2.745	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290857	1,741
2.746	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290861	1,741
2.747	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290865	1,741
2.748	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290869	1,741
2.749	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290873	1,741
2.750	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290877	1,741
2.751	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290881	1,741
2.752	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290885	1,741
2.753	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290889	1,741
2.754	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290893	1,741
2.755	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290897	1,741
2.756	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290901	1,741
2.757	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:290905	1,741
2.758	Colunas	TQS - Pilar retangular:TQS - 30,0x170,0:290959	1,974
2.759	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290964	1,741
2.760	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290969	1,741
2.761	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290973	1,741
2.762	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290977	1,741

2.763	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290981	1,741
2.764	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290985	1,741
2.765	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290989	1,741
2.766	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:290993	1,741
2.767	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:290999	2,322
2.768	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:292231	1,944
2.769	Colunas	TQS - Pilar Polig. 0:TQS Column:292691	1,513
2.770	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292910	0,697
2.771	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:292940	1,020
2.772	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:292963	3,471
2.773	Colunas	TQS - Pilar retangular:TQS - 30,0x299,0:293008	3,471
2.774	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293032	2,709
2.775	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293085	1,944
2.776	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:293728	1,944
2.777	Colunas	TQS - Pilar retangular:TQS - 30,0x150,0:294874	1,741
2.778	Colunas	TQS - Pilar retangular:TQS - 150,0x30,0:294878	1,741
2.779	Colunas	TQS - Pilar retangular:TQS - 100,0x60,0:294902	2,322
2.780	Colunas	TQS - Pilar retangular:TQS - 150,0x25,0:295535	1,020
2.781	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:295549	0,889
2.782	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295565	0,774
2.783	Colunas	TQS - Pilar retangular:TQS - 280,0x30,0:295606	3,251
2.784	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296082	5,091
2.785	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296109	1,945
2.786	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296147	0,697
2.787	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271342	1,990
2.788	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271981	1,990
2.789	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:272614	1,990
2.790	Colunas	TQS - Pilar retangular:TQS - 150,0x19,0:272652	1,129
2.791	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272701	0,903
2.792	Colunas	TQS - Pilar retangular:TQS - 19,0x120,0:272751	0,903
2.793	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272804	1,435
2.794	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:273697	1,990
2.795	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:274329	1,990
2.796	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:275569	1,990
2.797	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:276808	1,990
2.798	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:278046	1,990
2.799	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:279284	1,990
2.800	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280522	1,990
2.801	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280552	1,989
2.802	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:281790	1,989
2.803	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:282415	1,990
2.804	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:283053	1,990
2.805	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283713	1,287
2.806	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284354	1,990
2.807	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284377	1,990
2.808	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284415	2,772
2.809	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284624	1,990
2.810	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:285256	1,990
2.811	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286029	1,990
2.812	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286661	1,990
2.813	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287294	1,990
2.814	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287927	1,990
2.815	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289165	1,990
2.816	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289812	1,990
2.817	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289927	1,989
2.818	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289953	1,990
2.819	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:289967	1,426
2.820	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:290607	1,990
2.821	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290643	5,209
2.822	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290696	2,911
2.823	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290738	2,911
2.824	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290769	0,713
2.825	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:291608	1,990
2.826	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:292233	1,990
2.827	Colunas	TQS - Pilar Polig. 0:TQS Column:292694	1,548
2.828	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292912	0,713
2.829	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:292968	3,493
2.830	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:293010	3,493
2.831	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293034	2,772
2.832	Colunas	TQS - Pilar retangular:TQS - 180,0x22,0:293696	1,568
2.833	Colunas	TQS - Pilar retangular:TQS - 145,0x19,0:294341	1,091
2.834	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:295511	1,990
2.835	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295568	0,792
2.836	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:295609	2,772

2.837	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296084	5,209
2.838	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296111	1,990
2.839	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296149	0,713
2.840	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271345	1,990
2.841	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271983	1,990
2.842	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:272616	1,990
2.843	Colunas	TQS - Pilar retangular:TQS - 150,0x19,0:272655	1,129
2.844	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272704	0,903
2.845	Colunas	TQS - Pilar retangular:TQS - 19,0x120,0:272754	0,903
2.846	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272807	1,436
2.847	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:273699	1,990
2.848	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:274331	1,990
2.849	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:275572	1,990
2.850	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:276810	1,990
2.851	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:278048	1,990
2.852	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:279286	1,990
2.853	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280524	1,990
2.854	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280554	1,989
2.855	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:281792	1,989
2.856	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:282417	1,990
2.857	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:283055	1,990
2.858	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283717	1,287
2.859	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284356	1,990
2.860	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284379	1,990
2.861	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284418	2,772
2.862	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284626	1,990
2.863	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:285258	1,990
2.864	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286031	1,990
2.865	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286663	1,990
2.866	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287296	1,990
2.867	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287929	1,990
2.868	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289167	1,990
2.869	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289814	1,990
2.870	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289929	1,989
2.871	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289955	1,990
2.872	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:289970	1,426
2.873	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:290609	1,990
2.874	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290646	5,209
2.875	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290699	2,911
2.876	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290741	2,911
2.877	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290772	0,713
2.878	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:291610	1,990
2.879	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:292235	1,990
2.880	Colunas	TQS - Pilar Polig. 0:TQS Column:292697	1,549
2.881	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292914	0,713
2.882	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:292971	3,493
2.883	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:293012	3,493
2.884	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293036	2,772
2.885	Colunas	TQS - Pilar retangular:TQS - 180,0x22,0:293699	1,568
2.886	Colunas	TQS - Pilar retangular:TQS - 145,0x19,0:294344	1,091
2.887	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:295513	1,990
2.888	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295572	0,792
2.889	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:295611	2,772
2.890	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296086	5,209
2.891	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296113	1,990
2.892	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296151	0,713
2.893	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271349	1,990
2.894	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271985	1,990
2.895	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:272618	1,990
2.896	Colunas	TQS - Pilar retangular:TQS - 150,0x19,0:272659	1,129
2.897	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272707	0,903
2.898	Colunas	TQS - Pilar retangular:TQS - 19,0x120,0:272758	0,903
2.899	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272810	1,436
2.900	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:273701	1,990
2.901	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:274333	1,990
2.902	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:275574	1,990
2.903	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:276812	1,990
2.904	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:278050	1,990
2.905	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:279288	1,990
2.906	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280526	1,990
2.907	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280556	1,989
2.908	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:281794	1,989
2.909	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:282419	1,990
2.910	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:283057	1,990

2.911	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283720	1,287
2.912	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284358	1,990
2.913	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284381	1,990
2.914	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284421	2,772
2.915	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284628	1,990
2.916	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:285260	1,990
2.917	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286033	1,990
2.918	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286665	1,990
2.919	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287298	1,990
2.920	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287931	1,990
2.921	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289169	1,990
2.922	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289816	1,990
2.923	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289931	1,989
2.924	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289957	1,990
2.925	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:289973	1,426
2.926	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:290611	1,990
2.927	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290649	5,209
2.928	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290703	2,911
2.929	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290743	2,911
2.930	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290775	0,713
2.931	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:291612	1,990
2.932	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:292237	1,990
2.933	Colunas	TQS - Pilar Polig_0:TQS Column:292700	1,549
2.934	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292916	0,713
2.935	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:292975	3,493
2.936	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:293014	3,493
2.937	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293038	2,772
2.938	Colunas	TQS - Pilar retangular:TQS - 180,0x22,0:293703	1,568
2.939	Colunas	TQS - Pilar retangular:TQS - 145,0x19,0:294348	1,091
2.940	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:295515	1,990
2.941	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295575	0,792
2.942	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:295613	2,772
2.943	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296088	5,209
2.944	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296115	1,990
2.945	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296153	0,713
2.946	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271352	1,990
2.947	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271987	1,990
2.948	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:272620	1,990
2.949	Colunas	TQS - Pilar retangular:TQS - 150,0x19,0:272662	1,129
2.950	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272710	0,903
2.951	Colunas	TQS - Pilar retangular:TQS - 19,0x120,0:272761	0,903
2.952	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272813	1,435
2.953	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:273703	1,990
2.954	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:274335	1,990
2.955	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:275576	1,990
2.956	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:276814	1,990
2.957	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:278052	1,990
2.958	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:279290	1,990
2.959	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280528	1,990
2.960	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280558	1,989
2.961	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:281796	1,989
2.962	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:282421	1,990
2.963	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:283059	1,990
2.964	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283723	1,287
2.965	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284360	1,990
2.966	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284383	1,990
2.967	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284424	2,772
2.968	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284630	1,990
2.969	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:285262	1,990
2.970	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286035	1,990
2.971	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286667	1,990
2.972	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287300	1,990
2.973	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287933	1,990
2.974	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289171	1,990
2.975	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289818	1,990
2.976	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289933	1,989
2.977	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289959	1,990
2.978	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:289976	1,426
2.979	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:290613	1,990
2.980	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290652	5,209
2.981	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290706	2,911
2.982	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290745	2,911
2.983	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290778	0,713
2.984	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:291614	1,990

2.985	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:292239	1,990
2.986	Colunas	TQS - Pilar Polig. 0:TQS Column:292703	1,548
2.987	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292918	0,713
2.988	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:292978	3,493
2.989	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:293016	3,493
2.990	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293040	2,772
2.991	Colunas	TQS - Pilar retangular:TQS - 180,0x22,0:293706	1,568
2.992	Colunas	TQS - Pilar retangular:TQS - 145,0x19,0:294351	1,091
2.993	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:295517	1,990
2.994	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295578	0,792
2.995	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:295615	2,772
2.996	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296090	5,209
2.997	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296117	1,990
2.998	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296155	0,713
2.999	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271355	1,990
2.1000	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271989	1,990
2.1001	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:272622	1,990
2.1002	Colunas	TQS - Pilar retangular:TQS - 150,0x19,0:272665	1,129
2.1003	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272713	0,903
2.1004	Colunas	TQS - Pilar retangular:TQS - 19,0x120,0:272764	0,903
2.1005	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272816	1,436
2.1006	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:273705	1,990
2.1007	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:274337	1,990
2.1008	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:275578	1,990
2.1009	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:276816	1,990
2.1010	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:278054	1,990
2.1011	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:279292	1,990
2.1012	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280530	1,990
2.1013	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280560	1,989
2.1014	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:281798	1,989
2.1015	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:282423	1,990
2.1016	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:283061	1,990
2.1017	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283726	1,287
2.1018	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284362	1,990
2.1019	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284385	1,990
2.1020	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284427	2,772
2.1021	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284632	1,990
2.1022	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:285264	1,990
2.1023	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286037	1,990
2.1024	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286669	1,990
2.1025	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287302	1,990
2.1026	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287935	1,990
2.1027	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289173	1,990
2.1028	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289820	1,990
2.1029	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289935	1,989
2.1030	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289961	1,990
2.1031	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:289979	1,426
2.1032	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:290615	1,990
2.1033	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290655	5,209
2.1034	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290709	2,911
2.1035	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290747	2,911
2.1036	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290781	0,713
2.1037	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:291616	1,990
2.1038	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:292241	1,990
2.1039	Colunas	TQS - Pilar Polig. 0:TQS Column:292706	1,549
2.1040	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292920	0,713
2.1041	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:292981	3,493
2.1042	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:293018	3,493
2.1043	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293042	2,772
2.1044	Colunas	TQS - Pilar retangular:TQS - 180,0x22,0:293709	1,568
2.1045	Colunas	TQS - Pilar retangular:TQS - 145,0x19,0:294354	1,091
2.1046	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:295519	1,990
2.1047	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295581	0,792
2.1048	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:295617	2,772
2.1049	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296092	5,209
2.1050	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296119	1,990
2.1051	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296157	0,713
2.1052	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271358	2,432
2.1053	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:271991	2,432
2.1054	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:272624	2,432
2.1055	Colunas	TQS - Pilar retangular:TQS - 150,0x19,0:272668	1,129
2.1056	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272716	0,903
2.1057	Colunas	TQS - Pilar retangular:TQS - 19,0x120,0:272767	0,903
2.1058	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272819	1,436

2.1059	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:273707	2,432
2.1060	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:274339	2,432
2.1061	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:275580	2,432
2.1062	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:276818	2,432
2.1063	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:278056	2,432
2.1064	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:279294	2,432
2.1065	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280532	2,432
2.1066	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:280562	2,431
2.1067	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:281800	2,431
2.1068	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:282425	2,160
2.1069	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:283063	2,160
2.1070	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283729	1,287
2.1071	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284364	2,432
2.1072	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284387	2,432
2.1073	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:284430	3,556
2.1074	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:284634	2,010
2.1075	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:285266	2,160
2.1076	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286039	2,432
2.1077	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:286671	2,432
2.1078	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287304	2,160
2.1079	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:287937	2,010
2.1080	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289175	2,432
2.1081	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289822	2,432
2.1082	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289937	2,009
2.1083	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:289963	2,432
2.1084	Colunas	TQS - Pilar retangular:TQS - 60,0x60,0:289982	1,440
2.1085	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:290617	2,010
2.1086	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290658	5,209
2.1087	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290712	2,911
2.1088	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290749	2,911
2.1089	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290784	0,713
2.1090	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:291618	2,160
2.1091	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:292243	2,160
2.1092	Colunas	TQS - Pilar Polig.:TQS Column:292709	1,564
2.1093	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292714	0,495
2.1094	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292725	0,495
2.1095	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292731	0,495
2.1096	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292737	0,495
2.1097	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292743	0,495
2.1098	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292749	0,495
2.1099	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292755	0,495
2.1100	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292761	0,495
2.1101	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292767	0,495
2.1102	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292773	0,495
2.1103	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292779	0,495
2.1104	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292785	0,495
2.1105	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292791	0,495
2.1106	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:292797	0,451
2.1107	Colunas	TQS - Pilar retangular:TQS - 54,0x19,0:292812	0,406
2.1108	Colunas	TQS - Pilar retangular:TQS - 56,0x19,0:292828	0,421
2.1109	Colunas	TQS - Pilar retangular:TQS - 50,0x20,0:292840	0,396
2.1110	Colunas	TQS - Pilar retangular:TQS - 40,0x19,0:292856	0,301
2.1111	Colunas	TQS - Pilar retangular:TQS - 40,0x19,0:292870	0,301
2.1112	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292922	0,713
2.1113	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:292984	3,493
2.1114	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:293020	3,493
2.1115	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:293044	2,772
2.1116	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:293058	0,495
2.1117	Colunas	TQS - Pilar retangular:TQS - 180,0x22,0:293712	1,584
2.1118	Colunas	TQS - Pilar retangular:TQS - 145,0x19,0:294357	1,102
2.1119	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:295521	2,160
2.1120	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295584	0,792
2.1121	Colunas	TQS - Pilar retangular:TQS - 280,0x25,0:295619	2,772
2.1122	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296094	5,209
2.1123	Colunas	TQS - Pilar circular:TQS - Pilar circular-TQS 80,0cm:296121	2,432
2.1124	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:296159	0,720
2.1125	Colunas	TQS - Pilar retangular:TQS - 150,0x19,0:272671	1,140
2.1126	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272719	0,912
2.1127	Colunas	TQS - Pilar retangular:TQS - 19,0x66,0:272772	0,502
2.1128	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272822	1,450
2.1129	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283732	1,300
2.1130	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290661	5,262
2.1131	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290715	2,940
2.1132	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290751	2,940

2.1133	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290787	0,720
2.1134	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292718	0,500
2.1135	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292727	0,500
2.1136	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292733	0,500
2.1137	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292739	0,500
2.1138	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292745	0,500
2.1139	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292751	0,500
2.1140	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292757	0,500
2.1141	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292763	0,500
2.1142	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292769	0,500
2.1143	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292775	0,500
2.1144	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292781	0,500
2.1145	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292787	0,500
2.1146	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292793	0,500
2.1147	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:292800	0,456
2.1148	Colunas	TQS - Pilar retangular:TQS - 54,0x19,0:292816	0,410
2.1149	Colunas	TQS - Pilar retangular:TQS - 56,0x19,0:292831	0,426
2.1150	Colunas	TQS - Pilar retangular:TQS - 50,0x20,0:292844	0,400
2.1151	Colunas	TQS - Pilar retangular:TQS - 40,0x19,0:292860	0,304
2.1152	Colunas	TQS - Pilar retangular:TQS - 40,0x19,0:292872	0,304
2.1153	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292924	0,720
2.1154	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:292987	3,528
2.1155	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:293022	3,528
2.1156	Colunas	TQS - Pilar retangular:TQS - 60,0x25,0:293048	0,600
2.1157	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:293060	0,500
2.1158	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295587	0,800
2.1159	Colunas	TQS - Pilar retangular:TQS - 60,0x25,0:295621	0,600
2.1160	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296096	5,262
2.1161	Colunas	TQS - Pilar retangular:TQS - 150,0x19,0:272674	0,579
2.1162	Colunas	TQS - Pilar retangular:TQS - 120,0x19,0:272722	0,463
2.1163	Colunas	TQS - Pilar retangular:TQS - 19,0x66,0:272775	0,229
2.1164	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272825	0,736
2.1165	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283735	0,660
2.1166	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290664	2,670
2.1167	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290718	1,492
2.1168	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290753	1,492
2.1169	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:290790	0,365
2.1170	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292722	0,254
2.1171	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292729	0,254
2.1172	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292735	0,254
2.1173	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292741	0,254
2.1174	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292747	0,254
2.1175	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292753	0,254
2.1176	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292759	0,254
2.1177	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292765	0,254
2.1178	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292771	0,254
2.1179	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292777	0,254
2.1180	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292783	0,254
2.1181	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292789	0,254
2.1182	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:292795	0,254
2.1183	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:292804	0,231
2.1184	Colunas	TQS - Pilar retangular:TQS - 54,0x19,0:292820	0,208
2.1185	Colunas	TQS - Pilar retangular:TQS - 56,0x19,0:292835	0,195
2.1186	Colunas	TQS - Pilar retangular:TQS - 50,0x20,0:292848	0,203
2.1187	Colunas	TQS - Pilar retangular:TQS - 40,0x19,0:292864	0,154
2.1188	Colunas	TQS - Pilar retangular:TQS - 40,0x19,0:292874	0,154
2.1189	Colunas	TQS - Pilar retangular:TQS - 60,0x30,0:292926	0,365
2.1190	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:292990	1,790
2.1191	Colunas	TQS - Pilar retangular:TQS - 30,0x294,0:293024	1,790
2.1192	Colunas	TQS - Pilar retangular:TQS - 60,0x25,0:293051	0,304
2.1193	Colunas	TQS - Pilar retangular:TQS - 25,0x50,0:293062	0,254
2.1194	Colunas	TQS - Pilar retangular:TQS - 100,0x20,0:295590	0,406
2.1195	Colunas	TQS - Pilar retangular:TQS - 60,0x25,0:295623	0,304
2.1196	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:296098	2,670
2.1197	Colunas	TQS - Pilar retangular:TQS - 25,0x145,0:272828	0,359
2.1198	Colunas	TQS - Pilar retangular:TQS - 130,0x25,0:283738	0,322
2.1199	Colunas	TQS - Pilar retangular:TQS - 30,0x438,5:290667	1,302
2.1200	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290721	0,728
2.1201	Colunas	TQS - Pilar retangular:TQS - 25,0x294,0:290755	0,728
2.1202	Colunas	TQS - Pilar retangular:TQS - 19,0x60,0:292807	0,136
2.1203	Colunas	TQS - Pilar retangular:TQS - 54,0x19,0:292823	0,102
2.1204	Colunas	TQS - Pilar retangular:TQS - 50,0x20,0:292851	0,119
2.1205	Colunas	TQS - Pilar retangular:TQS - 40,0x19,0:292867	0,075
2.1206	Colunas	TQS - Pilar retangular:TQS - 40,0x19,0:292876	0,075

2.1207	Columnas	TQS - Pilar rectangular:TQS - 30,0x294,0:292993	0,873
2.1208	Columnas	TQS - Pilar rectangular:TQS - 30,0x294,0:293026	0,873
2.1209	Columnas	TQS - Pilar rectangular:TQS - 60,0x25,0:293055	0,148
2.1210	Columnas	TQS - Pilar rectangular:TQS - 100,0x20,0:295593	0,238
2.1211	Columnas	TQS - Pilar rectangular:TQS - 60,0x25,0:295625	0,148
2.1212	Columnas	TQS - Pilar rectangular:TQS - 30,0x438,5:296100	1,302
<b>3</b>	<b>Lajes</b>		<b>3.845,391</b>
3.1	Lajes	Piso:TQS h=18:309707	29,033
3.2	Lajes	Piso:TQS h=16:309789	14,500
3.3	Lajes	Piso:TQS h=16:309809	14,500
3.4	Lajes	Piso:TQS h=12:309819	0,555
3.5	Lajes	Piso:TQS h=20:309856	36,694
3.6	Lajes	Piso:TQS h=20:310001	1,800
3.7	Lajes	Piso:TQS h=16:310009	5,410
3.8	Lajes	Piso:TQS h=16:310017	5,762
3.9	Lajes	Piso:TQS h=14:310027	5,042
3.10	Lajes	Piso:TQS h=14:310035	5,299
3.11	Lajes	Piso:TQS h=14:310043	5,299
3.12	Lajes	Piso:TQS h=14:310101	4,892
3.13	Lajes	Piso:TQS h=14:310150	5,042
3.14	Lajes	Piso:TQS h=12:310158	0,536
3.15	Lajes	Piso:TQS h=12:310168	3,052
3.16	Lajes	Piso:TQS h=16:310251	13,060
3.17	Lajes	Piso:TQS h=16:310280	9,918
3.18	Lajes	Piso:TQS h=16:310319	12,302
3.19	Lajes	Piso:TQS h=16:310335	7,764
3.20	Lajes	Piso:TQS h=15:310364	1,005
3.21	Lajes	Piso:TQS h=15:310372	0,502
3.22	Lajes	Piso:TQS h=15:310380	1,044
3.23	Lajes	Piso:TQS h=15:310388	0,594
3.24	Lajes	Piso:TQS h=15:310398	0,684
3.25	Lajes	Piso:TQS h=18:310422	29,477
3.26	Lajes	Piso:TQS h=16:310515	16,704
3.27	Lajes	Piso:TQS h=16:310623	16,705
3.28	Lajes	Piso:TQS h=16:310639	16,704
3.29	Lajes	Piso:TQS h=16:310738	16,705
3.30	Lajes	Piso:TQS h=16:310752	9,081
3.31	Lajes	Piso:TQS h=16:310835	8,364
3.32	Lajes	Piso:TQS h=16:310847	8,364
3.33	Lajes	Piso:TQS h=12:310855	0,527
3.34	Lajes	Piso:TQS h=14:310892	6,487
3.35	Lajes	Piso:TQS h=20:310963	88,165
3.36	Lajes	Piso:TQS h=20:310971	1,800
3.37	Lajes	Piso:TQS h=20:310979	1,800
3.38	Lajes	Piso:TQS h=16:310991	8,363
3.39	Lajes	Piso:TQS h=12:310999	3,139
3.40	Lajes	Piso:TQS h=14:311053	6,963
3.41	Lajes	Piso:TQS h=12:311080	2,406
3.42	Lajes	Piso:TQS h=20:311100	14,887
3.43	Lajes	Piso:TQS h=15:311110	0,989
3.44	Lajes	Piso:TQS h=10:311120	0,269
3.45	Lajes	Piso:TQS h=16:311137	1,318
3.46	Lajes	Piso:TQS h=18:311161	29,477
3.47	Lajes	Piso:TQS h=16:311254	16,705
3.48	Lajes	Piso:TQS h=16:311270	16,705
3.49	Lajes	Piso:TQS h=16:311286	16,705
3.50	Lajes	Piso:TQS h=16:311302	16,705
3.51	Lajes	Piso:TQS h=16:311316	9,081
3.52	Lajes	Piso:TQS h=16:311412	8,364
3.53	Lajes	Piso:TQS h=16:311424	8,364
3.54	Lajes	Piso:TQS h=12:311432	0,499
3.55	Lajes	Piso:TQS h=14:311476	6,487
3.56	Lajes	Piso:TQS h=20:311544	89,769
3.57	Lajes	Piso:TQS h=20:311552	1,800
3.58	Lajes	Piso:TQS h=20:311560	1,800
3.59	Lajes	Piso:TQS h=16:311572	8,363
3.60	Lajes	Piso:TQS h=12:311580	3,139
3.61	Lajes	Piso:TQS h=14:311648	10,360
3.62	Lajes	Piso:TQS h=12:311657	2,406
3.63	Lajes	Piso:TQS h=20:311677	14,887
3.64	Lajes	Piso:TQS h=10:311684	0,403
3.65	Lajes	Piso:TQS h=10:311692	0,269
3.66	Lajes	Piso:TQS h=10:311700	0,119
3.67	Lajes	Piso:TQS h=18:311724	29,477

3.68	Lajes	Piso:TQS h=16:311803	16,705
3.69	Lajes	Piso:TQS h=16:311819	16,705
3.70	Lajes	Piso:TQS h=16:311835	16,705
3.71	Lajes	Piso:TQS h=16:311851	16,705
3.72	Lajes	Piso:TQS h=16:311865	9,081
3.73	Lajes	Piso:TQS h=16:311961	8,364
3.74	Lajes	Piso:TQS h=16:311973	8,364
3.75	Lajes	Piso:TQS h=12:311981	0,499
3.76	Lajes	Piso:TQS h=14:312025	6,487
3.77	Lajes	Piso:TQS h=20:312093	89,769
3.78	Lajes	Piso:TQS h=20:312101	1,800
3.79	Lajes	Piso:TQS h=20:312109	1,800
3.80	Lajes	Piso:TQS h=16:312121	8,363
3.81	Lajes	Piso:TQS h=12:312129	3,142
3.82	Lajes	Piso:TQS h=14:312197	10,360
3.83	Lajes	Piso:TQS h=12:312206	2,406
3.84	Lajes	Piso:TQS h=20:312226	14,887
3.85	Lajes	Piso:TQS h=10:312233	0,403
3.86	Lajes	Piso:TQS h=10:312241	0,269
3.87	Lajes	Piso:TQS h=10:312249	0,119
3.88	Lajes	Piso:TQS h=18:312273	29,477
3.89	Lajes	Piso:TQS h=16:312352	16,705
3.90	Lajes	Piso:TQS h=16:312368	16,705
3.91	Lajes	Piso:TQS h=16:312384	16,705
3.92	Lajes	Piso:TQS h=16:312400	16,705
3.93	Lajes	Piso:TQS h=16:312414	9,081
3.94	Lajes	Piso:TQS h=16:312510	8,364
3.95	Lajes	Piso:TQS h=16:312522	8,364
3.96	Lajes	Piso:TQS h=12:312530	0,499
3.97	Lajes	Piso:TQS h=14:312574	6,487
3.98	Lajes	Piso:TQS h=20:312642	89,695
3.99	Lajes	Piso:TQS h=20:312710	1,800
3.100	Lajes	Piso:TQS h=20:312718	1,800
3.101	Lajes	Piso:TQS h=16:312730	8,363
3.102	Lajes	Piso:TQS h=12:312738	3,142
3.103	Lajes	Piso:TQS h=14:312798	10,360
3.104	Lajes	Piso:TQS h=12:312807	2,406
3.105	Lajes	Piso:TQS h=20:312827	14,887
3.106	Lajes	Piso:TQS h=10:312834	0,403
3.107	Lajes	Piso:TQS h=16:312843	5,042
3.108	Lajes	Piso:TQS h=16:312869	4,122
3.109	Lajes	Piso:TQS h=10:312879	2,543
3.110	Lajes	Piso:TQS h=16:312915	3,731
3.111	Lajes	Piso:TQS h=16:312926	3,631
3.112	Lajes	Piso:TQS h=10:312934	0,269
3.113	Lajes	Piso:TQS h=10:312942	0,119
3.114	Lajes	Piso:TQS h=18:312962	22,413
3.115	Lajes	Piso:TQS h=16:312996	15,367
3.116	Lajes	Piso:TQS h=16:313008	15,367
3.117	Lajes	Piso:TQS h=16:313020	15,367
3.118	Lajes	Piso:TQS h=16:313032	15,367
3.119	Lajes	Piso:TQS h=16:313045	11,156
3.120	Lajes	Piso:TQS h=16:313061	16,716
3.121	Lajes	Piso:TQS h=12:313069	0,499
3.122	Lajes	Piso:TQS h=14:313117	6,486
3.123	Lajes	Piso:TQS h=20:313201	67,332
3.124	Lajes	Piso:TQS h=20:313209	1,800
3.125	Lajes	Piso:TQS h=20:313217	1,800
3.126	Lajes	Piso:TQS h=12:313225	3,144
3.127	Lajes	Piso:TQS h=16:313254	5,439
3.128	Lajes	Piso:TQS h=12:313262	1,114
3.129	Lajes	Piso:TQS h=20:313282	14,887
3.130	Lajes	Piso:TQS h=16:313325	6,189
3.131	Lajes	Piso:TQS h=10:313335	2,543
3.132	Lajes	Piso:TQS h=16:313369	4,586
3.133	Lajes	Piso:TQS h=12:313377	0,838
3.134	Lajes	Piso:TQS h=12:313385	0,725
3.135	Lajes	Piso:TQS h=12:313393	1,667
3.136	Lajes	Piso:TQS h=12:313401	1,415
3.137	Lajes	Piso:TQS h=16:313417	16,716
3.138	Lajes	Piso:TQS h=16:313433	16,716
3.139	Lajes	Piso:TQS h=16:313449	16,716
3.140	Lajes	Piso:TQS h=18:313463	17,916
3.141	Lajes	Piso:TQS h=12:313471	3,949

3.142	Lajes	Piso:TQS h=12:313479	0,417
3.143	Lajes	Piso:TQS h=10:313486	0,403
3.144	Lajes	Piso:TQS h=10:313494	0,269
3.145	Lajes	Piso:TQS h=12:313502	0,326
3.146	Lajes	Piso:TQS h=12:313510	0,858
3.147	Lajes	Piso:TQS h=12:313557	0,537
3.148	Lajes	Piso:TQS h=10:313565	0,242
3.149	Lajes	Piso:TQS h=10:313573	0,224
3.150	Lajes	Piso:TQS h=14:313585	3,397
3.151	Lajes	Piso:TQS h=20:313595	1,270
3.152	Lajes	Piso:TQS h=20:313605	0,640
3.153	Lajes	Piso:TQS h=12:313613	0,379
3.154	Lajes	Piso:TQS h=12:313621	0,497
3.155	Lajes	Piso:TQS h=12:313629	0,497
3.156	Lajes	Piso:TQS h=12:313637	0,497
3.157	Lajes	Piso:TQS h=12:313645	0,497
3.158	Lajes	Piso:TQS h=12:313653	0,497
3.159	Lajes	Piso:TQS h=12:313661	0,497
3.160	Lajes	Piso:TQS h=12:313671	0,299
3.161	Lajes	Piso:TQS h=12:313679	0,289
3.162	Lajes	Piso:TQS h=12:313687	0,154
3.163	Lajes	Piso:TQS h=12:313696	0,386
3.164	Lajes	Piso:TQS h=12:313705	0,881
3.165	Lajes	Piso:TQS h=12:313713	0,634
3.166	Lajes	Piso:TQS h=12:313721	0,733
3.167	Lajes	Piso:TQS h=20:313747	22,852
3.168	Lajes	Piso:TQS h=10:313765	0,431
3.169	Lajes	Piso:TQS h=10:313844	0,327
3.170	Lajes	Piso:TQS h=20:313852	0,444
3.171	Lajes	Piso:TQS h=20:313860	5,629
3.172	Lajes	Piso:TQS h=20:313868	0,481
3.173	Lajes	Piso:TQS h=20:313876	0,481
3.174	Lajes	Piso:TQS h=25:313943	142,010
3.175	Lajes	Piso:TQS h=20:313951	1,800
3.176	Lajes	Piso:TQS h=20:313959	2,100
3.177	Lajes	Piso:TQS h=20:313967	2,100
3.178	Lajes	Piso:TQS h=20:313975	4,161
3.179	Lajes	Piso:TQS h=20:313983	2,100
3.180	Lajes	Piso:TQS h=20:313991	2,100
3.181	Lajes	Piso:TQS h=20:313999	4,746
3.182	Lajes	Piso:TQS h=25:314016	16,763
3.183	Lajes	Piso:TQS h=16:314024	0,768
3.184	Lajes	Piso:TQS h=18:314068	35,308
3.185	Lajes	Piso:TQS h=16:314090	16,590
3.186	Lajes	Piso:TQS h=16:314112	16,578
3.187	Lajes	Piso:TQS h=16:314223	16,578
3.188	Lajes	Piso:TQS h=16:314280	16,590
3.189	Lajes	Piso:TQS h=16:314300	16,388
3.190	Lajes	Piso:TQS h=16:314319	16,591
3.191	Lajes	Piso:TQS h=12:314364	0,527
3.192	Lajes	Piso:TQS h=14:314409	6,477
3.193	Lajes	Piso:TQS h=12:314454	3,166
3.194	Lajes	Piso:TQS h=14:314480	6,445
3.195	Lajes	Piso:TQS h=16:314523	12,522
3.196	Lajes	Piso:TQS h=16:314556	5,978
3.197	Lajes	Piso:TQS h=16:314568	4,596
3.198	Lajes	Piso:TQS h=16:314584	16,593
3.199	Lajes	Piso:TQS h=16:314648	16,716
3.200	Lajes	Piso:TQS h=16:314664	16,716
3.201	Lajes	Piso:TQS h=18:314678	17,959
3.202	Lajes	Piso:TQS h=12:314686	2,775
3.203	Lajes	Piso:TQS h=12:314694	0,441
3.204	Lajes	Piso:TQS h=16:314702	0,768
3.205	Lajes	Piso:TQS h=12:314710	2,205
3.206	Lajes	Piso:TQS h=20:314718	1,173
3.207	Lajes	Piso:TQS h=12:314736	1,946
3.208	Lajes	Piso:TQS h=12:314783	0,803
3.209	Lajes	Piso:TQS h=12:314791	3,420
3.210	Lajes	Piso:TQS h=12:314804	3,896
3.211	Lajes	Piso:TQS h=12:314821	3,818
3.212	Lajes	Piso:TQS h=12:314833	2,380
3.213	Lajes	Piso:TQS h=12:314841	2,131
3.214	Lajes	Piso:TQS h=12:314854	2,426
3.215	Lajes	Piso:TQS h=10:314864	0,492

3.216	Lajes	Piso:TQS h=20:314876	12,962
3.217	Lajes	Piso:TQS h=20:314884	1,291
3.218	Lajes	Piso:TQS h=20:314892	1,291
3.219	Lajes	Piso:TQS h=20:314900	1,291
3.220	Lajes	Piso:TQS h=20:314908	1,291
3.221	Lajes	Piso:TQS h=20:314916	1,460
3.222	Lajes	Piso:TQS h=20:314924	1,291
3.223	Lajes	Piso:TQS h=10:314932	0,269
3.224	Lajes	Piso:TQS h=10:314940	0,224
3.225	Lajes	Piso:TQS h=10:314948	0,242
3.226	Lajes	Piso:TQS h=18:314956	0,319
3.227	Lajes	Piso:TQS h=18:314964	0,157
3.228	Lajes	Piso:TQS h=20:314975	13,744
3.229	Lajes	Piso:TQS h=12:315021	0,635
3.230	Lajes	Piso:TQS h=12:315029	0,084
3.231	Lajes	Piso:TQS h=10:315047	0,431
3.232	Lajes	Piso:TQS h=10:315099	0,327
3.233	Lajes	Piso:TQS h=16:315123	16,043
3.234	Lajes	Piso:TQS h=16:315147	16,030
3.235	Lajes	Piso:TQS h=16:315230	16,030
3.236	Lajes	Piso:TQS h=16:315289	16,043
3.237	Lajes	Piso:TQS h=16:315315	16,043
3.238	Lajes	Piso:TQS h=16:315341	16,030
3.239	Lajes	Piso:TQS h=10:315386	0,463
3.240	Lajes	Piso:TQS h=14:315400	6,157
3.241	Lajes	Piso:TQS h=12:315437	3,123
3.242	Lajes	Piso:TQS h=14:315462	6,372
3.243	Lajes	Piso:TQS h=16:315496	12,550
3.244	Lajes	Piso:TQS h=16:315518	5,996
3.245	Lajes	Piso:TQS h=10:315526	1,241
3.246	Lajes	Piso:TQS h=16:315552	16,030
3.247	Lajes	Piso:TQS h=16:315612	16,043
3.248	Lajes	Piso:TQS h=16:315638	16,043
3.249	Lajes	Piso:TQS h=18:315659	17,992
3.250	Lajes	Piso:TQS h=12:315667	2,686
3.251	Lajes	Piso:TQS h=12:315680	1,172
3.252	Lajes	Piso:TQS h=20:315720	0,747
3.253	Lajes	Piso:TQS h=10:315738	1,634
3.254	Lajes	Piso:TQS h=12:315746	2,131
3.255	Lajes	Piso:TQS h=16:315770	16,043
3.256	Lajes	Piso:TQS h=16:315790	16,048
3.257	Lajes	Piso:TQS h=12:315802	2,375
3.258	Lajes	Piso:TQS h=12:315815	2,375
3.259	Lajes	Piso:TQS h=12:315832	3,809
3.260	Lajes	Piso:TQS h=12:315840	3,420
3.261	Lajes	Piso:TQS h=12:315857	3,809
3.262	Lajes	Piso:TQS h=10:315865	1,270
3.263	Lajes	Piso:TQS h=10:315873	1,488
3.264	Lajes	Piso:TQS h=10:315881	1,980
3.265	Lajes	Piso:TQS h=10:315889	1,980
3.266	Lajes	Piso:TQS h=10:315898	1,906
3.267	Lajes	Piso:TQS h=10:315908	0,901
3.268	Lajes	Piso:TQS h=10:315916	1,874
3.269	Lajes	Piso:TQS h=12:315923	1,255
3.270	Lajes	Piso:TQS h=10:315937	0,527
3.271	Lajes	Piso:TQS h=10:315945	0,269
3.272	Lajes	Piso:TQS h=10:315953	0,242
3.273	Lajes	Piso:TQS h=10:315961	0,224
3.274	Lajes	Piso:TQS h=12:315969	0,613
3.275	Lajes	Piso:TQS h=12:315977	0,072
3.276	Lajes	Piso:TQS h=10:315995	0,431
3.277	Lajes	Piso:TQS h=10:316071	0,332
3.278	Lajes	Piso:TQS h=16:316095	16,043
3.279	Lajes	Piso:TQS h=16:316119	16,030
3.280	Lajes	Piso:TQS h=16:316202	16,030
3.281	Lajes	Piso:TQS h=16:316261	16,043
3.282	Lajes	Piso:TQS h=16:316287	16,043
3.283	Lajes	Piso:TQS h=16:316313	16,030
3.284	Lajes	Piso:TQS h=10:316358	0,463
3.285	Lajes	Piso:TQS h=14:316372	6,157
3.286	Lajes	Piso:TQS h=12:316409	3,123
3.287	Lajes	Piso:TQS h=14:316434	6,372
3.288	Lajes	Piso:TQS h=16:316468	12,550
3.289	Lajes	Piso:TQS h=16:316490	5,996

3.290	Lajes	Piso:TQS h=10:316498	1,240
3.291	Lajes	Piso:TQS h=16:316524	16,030
3.292	Lajes	Piso:TQS h=16:316584	16,043
3.293	Lajes	Piso:TQS h=16:316610	16,043
3.294	Lajes	Piso:TQS h=18:316631	17,992
3.295	Lajes	Piso:TQS h=12:316639	2,686
3.296	Lajes	Piso:TQS h=12:316652	1,172
3.297	Lajes	Piso:TQS h=10:316692	1,837
3.298	Lajes	Piso:TQS h=20:316700	1,173
3.299	Lajes	Piso:TQS h=10:316718	1,634
3.300	Lajes	Piso:TQS h=12:316726	2,131
3.301	Lajes	Piso:TQS h=16:316750	16,043
3.302	Lajes	Piso:TQS h=16:316770	16,048
3.303	Lajes	Piso:TQS h=12:316782	2,375
3.304	Lajes	Piso:TQS h=12:316795	2,375
3.305	Lajes	Piso:TQS h=12:316812	3,809
3.306	Lajes	Piso:TQS h=12:316820	3,420
3.307	Lajes	Piso:TQS h=12:316837	3,809
3.308	Lajes	Piso:TQS h=10:316845	1,270
3.309	Lajes	Piso:TQS h=10:316853	1,488
3.310	Lajes	Piso:TQS h=10:316861	1,980
3.311	Lajes	Piso:TQS h=10:316869	1,980
3.312	Lajes	Piso:TQS h=10:316878	1,906
3.313	Lajes	Piso:TQS h=10:316888	0,901
3.314	Lajes	Piso:TQS h=10:316896	1,874
3.315	Lajes	Piso:TQS h=10:316908	0,524
3.316	Lajes	Piso:TQS h=10:316916	0,269
3.317	Lajes	Piso:TQS h=12:316923	1,255
3.318	Lajes	Piso:TQS h=10:316931	0,242
3.319	Lajes	Piso:TQS h=10:316939	0,224
3.320	Lajes	Piso:TQS h=12:316947	0,613
3.321	Lajes	Piso:TQS h=12:316955	0,072
3.322	Lajes	Piso:TQS h=10:316973	0,431
3.323	Lajes	Piso:TQS h=10:317049	0,332
3.324	Lajes	Piso:TQS h=16:317073	16,043
3.325	Lajes	Piso:TQS h=16:317097	16,030
3.326	Lajes	Piso:TQS h=16:317180	16,030
3.327	Lajes	Piso:TQS h=16:317239	16,043
3.328	Lajes	Piso:TQS h=16:317265	16,043
3.329	Lajes	Piso:TQS h=16:317291	16,030
3.330	Lajes	Piso:TQS h=10:317336	0,463
3.331	Lajes	Piso:TQS h=14:317350	6,157
3.332	Lajes	Piso:TQS h=12:317387	3,123
3.333	Lajes	Piso:TQS h=14:317412	6,372
3.334	Lajes	Piso:TQS h=16:317446	12,550
3.335	Lajes	Piso:TQS h=16:317468	5,996
3.336	Lajes	Piso:TQS h=10:317476	1,241
3.337	Lajes	Piso:TQS h=16:317502	16,030
3.338	Lajes	Piso:TQS h=16:317562	16,043
3.339	Lajes	Piso:TQS h=16:317588	16,043
3.340	Lajes	Piso:TQS h=18:317609	17,992
3.341	Lajes	Piso:TQS h=12:317617	2,686
3.342	Lajes	Piso:TQS h=12:317630	1,172
3.343	Lajes	Piso:TQS h=20:317670	0,747
3.344	Lajes	Piso:TQS h=10:317688	1,634
3.345	Lajes	Piso:TQS h=12:317696	2,131
3.346	Lajes	Piso:TQS h=16:317720	16,043
3.347	Lajes	Piso:TQS h=16:317740	16,048
3.348	Lajes	Piso:TQS h=12:317752	2,375
3.349	Lajes	Piso:TQS h=12:317765	2,375
3.350	Lajes	Piso:TQS h=12:317782	3,809
3.351	Lajes	Piso:TQS h=12:317790	3,420
3.352	Lajes	Piso:TQS h=12:317807	3,809
3.353	Lajes	Piso:TQS h=10:317815	1,270
3.354	Lajes	Piso:TQS h=10:317823	1,488
3.355	Lajes	Piso:TQS h=10:317831	1,980
3.356	Lajes	Piso:TQS h=10:317839	1,980
3.357	Lajes	Piso:TQS h=10:317848	1,906
3.358	Lajes	Piso:TQS h=10:317858	0,901
3.359	Lajes	Piso:TQS h=10:317866	1,874
3.360	Lajes	Piso:TQS h=12:317873	1,255
3.361	Lajes	Piso:TQS h=10:317887	0,527
3.362	Lajes	Piso:TQS h=10:317895	0,269
3.363	Lajes	Piso:TQS h=10:317903	0,242

3.364	Lajes	Piso:TQS h=10:317911	0,224
3.365	Lajes	Piso:TQS h=12:317919	0,613
3.366	Lajes	Piso:TQS h=12:317927	0,072
3.367	Lajes	Piso:TQS h=10:317945	0,431
3.368	Lajes	Piso:TQS h=10:318021	0,332
3.369	Lajes	Piso:TQS h=16:318045	16,043
3.370	Lajes	Piso:TQS h=16:318069	16,030
3.371	Lajes	Piso:TQS h=16:318152	16,030
3.372	Lajes	Piso:TQS h=16:318211	16,043
3.373	Lajes	Piso:TQS h=16:318237	16,043
3.374	Lajes	Piso:TQS h=16:318263	16,030
3.375	Lajes	Piso:TQS h=10:318308	0,463
3.376	Lajes	Piso:TQS h=14:318322	6,157
3.377	Lajes	Piso:TQS h=12:318359	3,123
3.378	Lajes	Piso:TQS h=14:318384	6,372
3.379	Lajes	Piso:TQS h=16:318418	12,550
3.380	Lajes	Piso:TQS h=16:318440	5,996
3.381	Lajes	Piso:TQS h=10:318448	1,240
3.382	Lajes	Piso:TQS h=16:318474	16,030
3.383	Lajes	Piso:TQS h=16:318534	16,043
3.384	Lajes	Piso:TQS h=16:318560	16,043
3.385	Lajes	Piso:TQS h=18:318581	17,992
3.386	Lajes	Piso:TQS h=12:318589	2,686
3.387	Lajes	Piso:TQS h=12:318602	1,172
3.388	Lajes	Piso:TQS h=10:318642	1,837
3.389	Lajes	Piso:TQS h=20:318650	1,173
3.390	Lajes	Piso:TQS h=10:318668	1,634
3.391	Lajes	Piso:TQS h=12:318676	2,131
3.392	Lajes	Piso:TQS h=16:318700	16,043
3.393	Lajes	Piso:TQS h=16:318720	16,048
3.394	Lajes	Piso:TQS h=12:318732	2,375
3.395	Lajes	Piso:TQS h=12:318745	2,375
3.396	Lajes	Piso:TQS h=12:318762	3,809
3.397	Lajes	Piso:TQS h=12:318770	3,420
3.398	Lajes	Piso:TQS h=12:318787	3,809
3.399	Lajes	Piso:TQS h=10:318795	1,270
3.400	Lajes	Piso:TQS h=10:318803	1,488
3.401	Lajes	Piso:TQS h=10:318811	1,980
3.402	Lajes	Piso:TQS h=10:318819	1,980
3.403	Lajes	Piso:TQS h=10:318828	1,906
3.404	Lajes	Piso:TQS h=10:318838	0,901
3.405	Lajes	Piso:TQS h=10:318846	1,874
3.406	Lajes	Piso:TQS h=10:318858	0,524
3.407	Lajes	Piso:TQS h=10:318866	0,269
3.408	Lajes	Piso:TQS h=12:318873	1,255
3.409	Lajes	Piso:TQS h=10:318881	0,242
3.410	Lajes	Piso:TQS h=10:318889	0,224
3.411	Lajes	Piso:TQS h=12:318897	0,613
3.412	Lajes	Piso:TQS h=12:318905	0,072
3.413	Lajes	Piso:TQS h=10:318923	0,431
3.414	Lajes	Piso:TQS h=10:318999	0,332
3.415	Lajes	Piso:TQS h=16:319023	16,043
3.416	Lajes	Piso:TQS h=16:319047	16,030
3.417	Lajes	Piso:TQS h=16:319130	16,030
3.418	Lajes	Piso:TQS h=16:319189	16,043
3.419	Lajes	Piso:TQS h=16:319215	16,043
3.420	Lajes	Piso:TQS h=16:319241	16,030
3.421	Lajes	Piso:TQS h=10:319286	0,463
3.422	Lajes	Piso:TQS h=14:319300	6,157
3.423	Lajes	Piso:TQS h=12:319337	3,123
3.424	Lajes	Piso:TQS h=14:319362	6,372
3.425	Lajes	Piso:TQS h=16:319396	12,550
3.426	Lajes	Piso:TQS h=16:319418	5,996
3.427	Lajes	Piso:TQS h=10:319426	1,241
3.428	Lajes	Piso:TQS h=16:319452	16,030
3.429	Lajes	Piso:TQS h=16:319512	16,043
3.430	Lajes	Piso:TQS h=16:319538	16,043
3.431	Lajes	Piso:TQS h=18:319559	17,992
3.432	Lajes	Piso:TQS h=12:319567	2,686
3.433	Lajes	Piso:TQS h=12:319580	1,172
3.434	Lajes	Piso:TQS h=20:319620	0,747
3.435	Lajes	Piso:TQS h=10:319638	1,634
3.436	Lajes	Piso:TQS h=12:319646	2,131
3.437	Lajes	Piso:TQS h=16:319670	16,043

3.438	Lajes	Piso:TQS h=16:319690	16,048
3.439	Lajes	Piso:TQS h=12:319702	2,375
3.440	Lajes	Piso:TQS h=12:319715	2,375
3.441	Lajes	Piso:TQS h=12:319732	3,809
3.442	Lajes	Piso:TQS h=12:319740	3,420
3.443	Lajes	Piso:TQS h=12:319757	3,809
3.444	Lajes	Piso:TQS h=10:319765	1,270
3.445	Lajes	Piso:TQS h=10:319773	1,488
3.446	Lajes	Piso:TQS h=10:319781	1,980
3.447	Lajes	Piso:TQS h=10:319789	1,980
3.448	Lajes	Piso:TQS h=10:319798	1,906
3.449	Lajes	Piso:TQS h=10:319808	0,901
3.450	Lajes	Piso:TQS h=10:319816	1,874
3.451	Lajes	Piso:TQS h=12:319823	1,255
3.452	Lajes	Piso:TQS h=10:319837	0,527
3.453	Lajes	Piso:TQS h=10:319845	0,269
3.454	Lajes	Piso:TQS h=10:319853	0,242
3.455	Lajes	Piso:TQS h=10:319861	0,224
3.456	Lajes	Piso:TQS h=12:319869	0,072
3.457	Lajes	Piso:TQS h=12:319879	0,614
3.458	Lajes	Piso:TQS h=10:319895	0,332
3.459	Lajes	Piso:TQS h=10:319913	0,431
3.460	Lajes	Piso:TQS h=20:319998	20,053
3.461	Lajes	Piso:TQS h=20:320022	20,053
3.462	Lajes	Piso:TQS h=20:320046	20,053
3.463	Lajes	Piso:TQS h=20:320070	20,053
3.464	Lajes	Piso:TQS h=20:320096	20,053
3.465	Lajes	Piso:TQS h=20:320122	20,053
3.466	Lajes	Piso:TQS h=10:320130	0,463
3.467	Lajes	Piso:TQS h=20:320144	8,797
3.468	Lajes	Piso:TQS h=20:320152	5,205
3.469	Lajes	Piso:TQS h=20:320177	9,103
3.470	Lajes	Piso:TQS h=20:320211	15,687
3.471	Lajes	Piso:TQS h=20:320231	7,566
3.472	Lajes	Piso:TQS h=10:320239	1,241
3.473	Lajes	Piso:TQS h=20:320265	20,053
3.474	Lajes	Piso:TQS h=20:320291	20,053
3.475	Lajes	Piso:TQS h=20:320317	20,053
3.476	Lajes	Piso:TQS h=22:320344	21,984
3.477	Lajes	Piso:TQS h=20:320352	4,476
3.478	Lajes	Piso:TQS h=20:320365	1,965
3.479	Lajes	Piso:TQS h=14:320373	2,572
3.480	Lajes	Piso:TQS h=20:320381	1,173
3.481	Lajes	Piso:TQS h=14:320399	2,288
3.482	Lajes	Piso:TQS h=20:320407	3,552
3.483	Lajes	Piso:TQS h=20:320431	20,053
3.484	Lajes	Piso:TQS h=20:320447	13,856
3.485	Lajes	Piso:TQS h=20:320459	3,958
3.486	Lajes	Piso:TQS h=20:320472	3,958
3.487	Lajes	Piso:TQS h=20:320489	6,349
3.488	Lajes	Piso:TQS h=20:320497	5,699
3.489	Lajes	Piso:TQS h=20:320514	6,349
3.490	Lajes	Piso:TQS h=10:320522	1,270
3.491	Lajes	Piso:TQS h=10:320530	1,488
3.492	Lajes	Piso:TQS h=10:320538	1,980
3.493	Lajes	Piso:TQS h=10:320546	1,980
3.494	Lajes	Piso:TQS h=10:320555	1,906
3.495	Lajes	Piso:TQS h=10:320565	0,901
3.496	Lajes	Piso:TQS h=10:320573	1,874
3.497	Lajes	Piso:TQS h=14:320585	0,733
3.498	Lajes	Piso:TQS h=14:320593	0,377
3.499	Lajes	Piso:TQS h=20:320600	2,091
3.500	Lajes	Piso:TQS h=14:320611	2,893
3.501	Lajes	Piso:TQS h=10:320619	0,242
3.502	Lajes	Piso:TQS h=20:320627	0,120
3.503	Lajes	Piso:TQS h=20:320635	1,021
3.504	Lajes	Piso:TQS h=14:320643	0,036
3.505	Lajes	Piso:TQS h=10:320661	0,454
3.506	Lajes	Piso:TQS h=10:320783	0,423
3.507	Lajes	Piso:TQS h=20:320795	5,790
3.508	Lajes	Piso:TQS h=10:320803	0,362
3.509	Lajes	Piso:TQS h=10:320811	0,572
3.510	Lajes	Piso:TQS h=10:320819	0,586
3.511	Lajes	Piso:TQS h=10:320827	0,686

3.512	Lajes	Piso:TQS h=20:320835	5,297
3.513	Lajes	Piso:TQS h=12:320859	2,240
3.514	Lajes	Piso:TQS h=22:320896	4,074
3.515	Lajes	Piso:TQS h=20:320904	5,081
3.516	Lajes	Piso:TQS h=20:320935	5,135
3.517	Lajes	Piso:TQS h=10:320944	0,526
3.518	Lajes	Piso:TQS h=10:320952	0,242
3.519	Lajes	Piso:TQS h=12:320964	3,039
3.520	Lajes	Piso:TQS h=12:320976	3,083
3.521	Lajes	Piso:TQS h=12:320984	3,648
3.522	Lajes	Piso:TQS h=12:320992	3,178
3.523	Lajes	Piso:TQS h=12:321000	3,046
3.524	Lajes	Piso:TQS h=12:321033	3,081
3.525	Lajes	Piso:TQS h=12:321049	3,571
3.526	Lajes	Piso:TQS h=12:321061	1,920
3.527	Lajes	Piso:TQS h=12:321069	3,109