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MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE SANTA CATARINA – UFSC
CAMPUS UNIVERSITÁRIO REITOR JOÃO DAVID FERREIRA LIMA
– TRINDADE - CEP: 88040-900 - FLORIANÓPOLIS - SC

17º RELATÓRIO DE ATIVIDADES

Mês referência: maio/ 2021

PROJETO: CONSULTORIA, DESENVOLVIMENTO E ASSESSORIA PARA IMPLANTAÇÃO DO CADASTRO TERRITORIAL MULTIFINALITÁRIO, SISTEMA DE INFORMAÇÃO GEOGRÁFICO CORPORATIVO E REGULARIZAÇÃO FUNDIÁRIA DO MUNICÍPIO DE ITABIRA.

PERÍODO: 22/11/2019 até 21/05/2021

RESPONSÁVEL: Carlos Antônio Oliveira Vieira

CONTRATANTE: Município de Itabira - Mg

INSTITUIÇÃO DE ENSINO / ICT: Universidade Federal de Santa Catarina - UFSC

DEPARTAMENTO: Departamento de Geociências - (GCN/UFSC) - Florianópolis

Nº DO CONVÊNIO NA PREFEITURA PARA OFÍCIO DAS PARCELAS: 040/2019

Nº DO PROCESSO: 23080.064460/2019-37 Nº DO CONTRATO/CONVÊNIO- FEESC: 2019/0134

Maio/2021

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APRESENTAÇÃO

A Universidade Federal de Santa Catarina - UFSC, através da Fundação de Ensino e Engenharia de Santa Catarina – FEESC, vêm apresentar à Prefeitura Municipal de Itabira/MG - PMI, o **17º Relatório de Atividades**, pertinente aos serviços de **Consultoria, Desenvolvimento e Assessoria para Implantação do Cadastro Territorial Multifinalitário, Sistema de Informação Geográfico Corporativo e Regularização Fundiária do Município de Itabira/MG**, realizados no mês de **maio** de 2021.

Os principais dados contratuais dos serviços supracitados estão a seguir relacionados:

- **Data da assinatura do Contrato:** 22/11/2019
- **Início das atividades:** 20/01/2020
- **Duração:** 18 meses
- **Valor:** 1.438.000,00
- **Nº Convênio Prefeitura:** 040/19
- **Nº Contrato/ Convenio - FEESC:** 2019/0134
- **Nº do Processo:** 23080.064460/2019-37
- **Responsável:** Carlos Antônio Oliveira Vieira
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- **LINK:** <https://www.feesc.org.br/site/?pg=projeto&id=14819>

Os membros permanentes, da equipe técnica executora da **UFSC/FEESC** que irão acompanhar o desenvolvimento do projeto é composta por 4 professores, doutores, conforme identificados no **Quadro 1**.

QUADRO 1: equipe técnica executora da UFSC/FEESC

NOME	CENTRO	DEPARTAMENTO	PROGRAMA PÓS GRADUAÇÃO
Carlos Antônio Oliveira Vieira	Centro de Filosofia e Ciências Humana - CFH	Departamento de Geologia	Programa de Pós Graduação em Engenharia de Transporte e Gestão Territorial.
Everton da Silva	Centro de Filosofia e Ciências Humana - CFH	Departamento de Geociências	Programa de Pós Graduação em Engenharia de Transporte e Gestão Territorial
Francisco Henrique de Oliveira	—	—	Programa de Pós Graduação em Engenharia de Transporte e Gestão Territorial
Liane Ramos da Silva	Centro Tecnológico	Departamento de Engenharia Civil	Programa de Pós Graduação em Engenharia de Transporte e Gestão Territorial



O relatório de atividade irá seguir o item 7 – fases e etapas do plano de trabalho (anexo 1 – Termo de Convênio) e o **Cronograma de Acompanhamento das Atividades - Geral** com detalhamento das etapas que é parte integrante deste documento (ANEXO I). As fases do plano de trabalho serão relacionadas ao item 5 - Metas/ Objetivos do plano de trabalho (anexo 1 – Termo de Convênio).

I. INTRODUÇÃO

Este **Relatório** tem por finalidade descrever as fases e etapas do projeto, informando as atividades programadas e executadas até a presente data. Para este projeto estão sendo consideradas as seguintes fases (Termo de Convenio – Anexo 1 – Plano de trabalho):

1. Elaboração dos editais, elaboração termos de referência, acompanhamento dos processos licitatórios, assessoria no desenvolvimento, implantação, execução dos produtos e serviços contratados, auditoria da qualidade desses produtos e serviços para as etapas que compõem o CTM/SIG/REURB;
2. Atualização da Planta de Valores Genéricos (PVG) e respectivo treinamento sobre metodologia e atualização;
3. Consultoria em TI: Infraestrutura e Ambiente; Sistemas SIT, SICART e SIG; Integração do Sistema; Treinamento;
4. Consultoria para regulamentação do Cadastro Territorial Multifinalitário (CTM) de acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades: Objetivando a sustentabilidade do cadastro e a sua multifinalidade, a regulamentação de alguns procedimentos para atualização do cadastro torna-se necessária; e será orientada em acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades que sistematiza a forma de implantação do CTM;
5. Apoiar/orientar a formalização de um acordo de parceria entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis;
6. Treinamento em CTM e Geotecnologias sobre os produtos, serviços e novas metodologias previstas no projeto, simulações e apresentação dos resultados;

Essas fases, terão suas etapas detalhadas no cronograma de acompanhamento das atividades e serão descritas neste relatório, evidenciando o que foi executado até o presente momento.

No período que compreende o **17º Relatório de Atividades**, foram desenvolvidas as etapas relacionadas as fases 1, 2 e 3 do item 7 do plano de trabalho (Termo de Convenio – Anexo 1), que se relacionam com as Metas/ Objetivos 1 e 2 do item 5 do plano de trabalho (Termo de Convenio – Anexo 1), respectivamente, sendo elas:

- a) Fase 1: discussão e coleta de dados; elaboração preliminar dos Termos de Referência; elaboração preliminar dos Editais e apresentação e discussão do edital e termos de referência e ajustes.
- b) Fase 2: atualização da Planta de Valores Genéricos (PVG) e respectivo treinamento sobre metodologia e atualização;
- c) Fase 3: Infraestrutura e ambiente

Estiveram envolvidos diretamente nestas etapas os técnicos da equipe executora da UFSC/FEESC, listados no **Quadro 1** (que se encontra descrito na página 4 do referido relatório) e 2 alunos/bolsistas, contratados conforme descrito no **Quadro 2**.

QUADRO 2: equipe técnica da UFSC/ FEESC para assessorar nas atividades de PVG

NOME	FUNÇÃO	Formação	INSTITUIÇÃO
Felipe Pilleggi de Souza	bolsista	Geógrafo - Mestrando do Programa em Engenharia de Transportes e Gestão Territorial - PPGTG	UFSC
Hatan Pinheiro Silva	bolsista	Geógrafo - Mestrando do Programa em Engenharia de Transportes e Gestão Territorial- PPGTG	UFSC

As fases 4, 5 e 6 não possuem atividades em andamento neste mês (**maio**), todavia fazem parte da estrutura deste relatório e terão suas etapas descritas à medida que forem sendo realizadas. A realização e continuidade destas fases estão vinculados as atividades que serão desenvolvidas pela empresa que foi contratada para a execução dos Serviços de Mapeamento, Cadastro e Soluções de Software e Geoportal.

A empresa vencedora do certame teve a sua contratação efetivada. A ordem de serviço foi emitida em 01/02/2021. As atividades da equipe UFSC que dependiam das atividades a serem desenvolvidas pela empresa **foram reprogramadas**, após a tramitação e aprovação do aditivo de prazo solicitado pela UFSC. O referido convênio foi aditivado por mais 12 meses a contar de 21/05/21. O **CRONOGRAMA DE ACOMPANHAMENTO DAS ATIVIDADES – GERAL – ADITIVO**, com a reprogramação das etapas é apresentado no ANEXO II, deste documento. Este cronograma entrará em vigência a partir do próximo mês (junho).

II. ATIVIDADES EXECUTADAS

Para compreender as etapas que compõem cada fase do projeto e direcionar as atividades a serem desenvolvidas em cada uma destas etapas/fases, foi elaborado o **Cronograma de Acompanhamento das Atividades - Geral**, que é parte integrante deste documento (ANEXO I).

As atividades executadas que estarão descritas nos **Relatórios de Atividades** a serem encaminhados mensalmente a PMI, seguirão a sequência de etapas/fases indicadas no **Cronograma de Acompanhamento das Atividades – Geral**, bem como os prazos estabelecidos para sua execução.

Por uma questão organizacional e para facilitar o acompanhamento do relatório de atividades pela Comissão Técnica Multidisciplinar da PMI, a **Tabela 1** apresenta o Cronograma de Acompanhamento das Atividades – Mensal, com o previsto e executado para o mês de **maio/2021** (mês referência do relatório). A cor azul apresentada na Tabela 1 representa a atividade planejada, a cor verde a etapa executada e a cor amarela a atividade que não foi executada como o previsto.

TABELA 1: cronograma de acompanhamento das atividades – mensal

ACOMPANHAMENTO DAS ATIVIDADES EXECUTADAS								
ID	Fase/ Etapa Descrição das Atividades	mai/21	% Previsto Etapa (mensal)	% Executado Etapa (mensal)	% Previsto Etapa (acum.)	% Executado Etapa (acum.)	Situação Etapa	
1	Elaboração dos Editais, elaboração Termos de Referência, acompanhamento dos processos licitatórios, assessoria no desenvolvimento, implantação, execução dos produtos e serviços contratados, auditoria da qualidade desses produtos e serviços para	P					Andamento	
		R	4,5%					
	1.1 Elaboração do Cronograma de Execução (CE) do Projeto	P						
		R						
	1.2 Discussão e coleta de dados	P						
		R						
	1.3 Elaboração preliminar dos Termos de Referência	P						
		R						
	1.4 Elaboração preliminar dos Editais	P						
		R						
	1.5 Apresentação e discussão do edital e termos de referencias ajustes	P						
		R						
	1.6 Acompanhamento do certame e apoio nas respostas aos questionamentos das empresas	R						
		P	7%					
	1.7 Acompanhamento das atividades de mapeamento e levantamento cadastral	R	7%					
		P	40%					
	1.8 Regularização fundiária Urbana (Reurb-S):	R	26%					
2	Atualização da Planta de Valores Genéricos (PVG) e respectivo treinamento sobre metodologia e atualização	P					Andamento	
		R	5%					
	2.1 Planejamento das atividades	P						
		R						
	2.2 Constituição de base de dados do mercado imobiliário	P						
		R						
	2.3 Processamento e análise de dados	P						
		R						
	2.4 Validação dos trabalhos	P						
		R						
	2.5 Adequação da legislação tributária	P	60%					
		R						
	2.6 Capacitação	P	30%					
		R						
3	Consultoria em TI: Infraestrutura e Ambiente; Sistemas SIT, SICART e SIG; Integração do Sistema; Treinamento	P	2%				Andamento.	
		R	2%					
	3.1 Levantamentos de informações	P						
		R						
	3.2 Assessoria na Análise e Modelagem do SIT	P						
		R						
	3.3 Assessoria na Integração de Sistemas - INTEROPERABILIDADE	P						
		R						
	3.4 Assessoria na Definição da Infraestrutura ou Ambiente	P						
		R						
	3.5 Análise e Especificação do Treinamento	P						
		R						
	3.6 Acompanhamento das atividades da empresa contratada: Análise e Modelagem, Implementação, Implantação, Integração, Treinamento, operacionalização do SIT e Portal	P	4%					
		R	4%					
4	Consultoria para regulamentação do Cadastro Territorial Multifinalitário (CTM) de acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades: Objetivando a sustentabilidade do cadastro e a sua multifinalidade, a regulamentação de alguns procedimentos para atualização do cadastro torna-se necessária: e será orientada em acordo com a Diretriz	P						
		R						
	4.1 Estudo da legislação municipal direta ou indiretamente relacionada ao CTM e a Legislação Tributária do Município.	P						
		R						
	4.2 Diagnostico da infraestrutura de recursos humanos e equipamentos	P						
		R						
	4.3 Diagnóstico das rotinas e fluxo de atividades entre setores/órgãos.	P						
		R						
	4.4 Proposição e discussão das rotinas de atualização cadastral	P						
		R						
	4.5 Elaboração de um anteprojeto de lei para a regulamentação do cadastro..	P						
		R						
	4.6 Submissão para apreciação e ajustes (município)	P						
		R						
5	Apoiar/orientar a formalização de um acordo de parceria entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis.	P						
		R						
	5.1 Diagnóstico das rotinas e fluxo de atividades entre setores/órgãos da prefeitura e cartório.	P						
		R						
	5.2 Reuniões técnicas entre os órgãos da Prefeitura e Cartório para subsidiar a elaboração do termo de cooperação.	P						
		R						
	5.3 Elaboração do termo de Cooperação técnica entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis;	P						
		R						
	5.4 Apresentação do Termo de Cooperação entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis - para trâmite.	P						
		R						
6	Treinamento em CTM e Geotecnologias sobre os produtos, serviços e novas metodologias previstas no projeto	P						
		R						
	6.1 Planejamento da capacitação junto a equipe da prefeitura.	P						
		R						
	6.2 Acompanhamento do planejamento do treinamento junto a equipe da prefeitura (empresa).	P						
		R						
	6.3 Elaboração de material didático para capacitação da equipe da prefeitura	P						
		R						
	6.4 Acompanhamento da elaboração de material didático para treinamento da equipe da prefeitura (empresa)	P						
		R						
	6.5 Período Execução das capacitações e treinamentos (teóricos e práticos).	P						
		R						
7	Relatórios de Finalização do projeto	P	1%				Andamento	
		R	1%					
	7.1 Relatório Mensal	P	3%					
		R	3%					
	7.2 Relatório Final	P						
		R						



Ao se analisar o **Cronograma de Acompanhamento das Atividades – Mensal (TABELA 1)**, verifica-se que para o mês de **maio** estavam previstas as atividades relacionadas as **fases 1 e 2**, do item 7 do plano de trabalho (Termo de Convenio – Anexo 1), que se relacionam com as Metas/ Objetivos 1 e 2 do item 5 do plano de trabalho (Termo de Convenio – Anexo 1). Estas atividades são descritas a seguir.

1. ELABORAÇÃO DOS EDITAIS, ELABORAÇÃO TERMOS DE REFERÊNCIA, ACOMPANHAMENTO DOS PROCESSOS LICITATÓRIOS, ASSESSORIA NO DESENVOLVIMENTO, IMPLANTAÇÃO, EXECUÇÃO DOS PRODUTOS E SERVIÇOS CONTRATADOS, AUDITORIA DA QUALIDADE DESSES PRODUTOS E SERVIÇOS PARA AS TODAS AS ETAPAS QUE COMPÕEM O CTM/SIG/REURB

Esta fase teve início no mês de fevereiro/ 2020. Atualmente encontra-se 70% executada. É composta por 8 etapas, sendo que 6 delas encontram-se finalizadas e as etapas **1.7 Acompanhamento das atividades de mapeamento e levantamento cadastral** e **1.8 Regularização Fundiária Urbana** encontram-se em andamento. Estas duas etapas dependem das atividades a serem desenvolvidas pelas empresas contratadas e foram reprogramadas, após a aprovação do aditivo de prazo solicitado pela UFSC.

1.1 Elaboração do cronograma de execução (CE) para o projeto

Esta etapa foi descrita no 1º e 2º relatórios e conforme o **Cronograma de Acompanhamento das Atividades – Geral (ANEXO I)** a etapa foi concluída em fevereiro/2020.

1.2 Discussão e coleta de dados

Esta etapa foi descrita no 1º, 2º e 3º relatórios e conforme a **Cronograma de Acompanhamento das Atividades – Geral (ANEXO I)** a etapa foi concluída em março/2020.

1.3 Elaboração preliminar dos Termos de Referencias

Esta etapa iniciou-se em fevereiro pela atividade *1. Levantamentos Cadastrais, Sistema de Informação Territorial e GeoPortal*, e encontra-se concluída.

1.4 Elaboração preliminar dos Editais

Esta etapa foi descrita nos relatórios anteriores e encontra-se finalizada. Uma versão preliminar do referido documento foi encaminhada para a Comissão Técnica Multidisciplinar da PMI.

1.5 Apresentação e discussão do edital e termos de referências ajustes

Esta atividade consiste na apresentação, discussão e ajuste do Edital e do Termo de Referência com as especificações técnicas para os serviços de levantamentos cadastrais e de sistema de informação territorial e GeoPortal.

O Edital/ Termo de Referência, na sua versão final, foi publicado no dia 19/10/20, no diário oficial, na modalidade pregão eletrônico presencial.

1.6 Acompanhamento do certame e apoio nas respostas aos questionamentos das empresas

Esta atividade consiste na preparação de matérias de apoio para atividades relacionadas ao certame do Edital 093/2020, no suporte as respostas de questionamentos e pedidos de impugnação, e no acompanhamento do certame propriamente dito. Esta atividade iniciou após a publicação do Edital 093/2020, que ocorreu em 19/10/20 e foi finalizada em 06/11/2020.

1.7 Acompanhamento das atividades de mapeamento e levantamento cadastral

A etapa encontra-se em andamento, **com 14%** realizado até o presente momento. Por depender das atividades a serem desenvolvidas pela empresa contratada, esta etapa precisou ser reprogramada, após a aprovação do aditivo de prazo solicitado pela UFSC.

Durante o mês de maio foram realizadas 06 reuniões de acompanhamento das atividades e reuniões técnicas específicas para discussão dos procedimentos a serem estabelecidos para o mapeamento e para o levantamento cadastral. E reuniões internas pela equipe da UFSC para análise e aprovação do material entregue pela empresa. As atas destas reuniões foram feitas pela Empresa ENGEFOTO e encaminhadas para a PMI, para análise e aprovação.

1.7.1 Acompanhamento das atividades de Mapeamento

Durante o mês de maio a empresa ENGEFOTO deu continuidade as atividades do mapeamento, definidas no ***Plano de Gerenciamento e Execução do Projeto e do Cronograma de Execução das Atividades***. A Equipe UFSC acompanhou e realizou a análise das atividades e dos respectivos produtos desenvolvidos pela empresa.

a) Recobrimento aéreo – Área 01 e Área 02

A execução das atividades de cobertura aerofotogramétrica e cobertura com sistema de perfilamento laser foram executados na totalidade da área urbana - ÁREA 01, o que representa 70km², e na da área rural - ÁREA 02 que representa um total de 1.253,70 km². Durante este mês foram complementadas as faixas de voo para a área rural faltante.

As atividades de cobertura aérea relatadas, foram executadas conforme as metodologias apresentadas no plano de gerenciamento e execução do projeto, e todos os equipamentos empregados neste serviço estão de acordo com as especificações de contrato. Os produtos gerados nesta atividade foram analisados e passaram por controle de qualidade da equipe UFSC, estando garantido o cumprimento dos parâmetros técnicos estabelecidos no TR. Com a finalização da cobertura aérea de toda região de projeto, se dá por encerrado as atividades de aerolevantamento.

b) Apoio Terrestre e Rede Referencia Cadastral – Área 01 e Área 02

A execução dos levantamentos topográficos e geodésicos atendeu a dois objetivos: o apoio terrestre para determinação de coordenadas planialtimétricas dos pontos necessários às operações fotogramétricas e o estabelecimento da rede de referência cadastral municipal que consistiu na materialização de pontos (marcos) no terreno que servirão de controle geodésico para as mais diversas aplicações. A atividade de apoio encontra-se concluída para as ÁREA 1 e ÁREA 2.

A Rede de Referência Cadastral Municipal – RRCM compreende todo o município (ÁREA 01 e ÁREA 02). Neste momento foi apresentado pela Empresa os resultados da implantação referente a ÁREA 01.

A implantação e rastreio da Rede de Referência Cadastral Municipal – RRCM na ÁREA 1, atendeu a norma ABNT-NBR 13.133 para levantamentos topográficos e seguiu as especificações estabelecidas no capítulo 7 do termo de referência. As atividades executadas foram: Rede de Referência Cadastral Municipal (RRCM); Implantação e rastreio de vértices para Homologação do IBGE; Determinação das altitudes ortométricas dos pontos levantados através do uso de Mapa Geoidal Relativo Local.

Para compor a Rede, na ÁREA 01, foram implantados 28 vértices, materializados por marcos de concreto tronco piramidal seguros e implantados em pisos de terreno compactado. Conforme estabelecido no TR, a empresa submeteu à Coordenação de Geodésia, da Diretoria de Geociências do IBGE, os dados referentes a 2 vértices implantados, com o objetivo de serem homologados e integrados à Rede Geodésica Brasileira. Foram selecionados os vértices da RRCM denominados MR14 e MR24. Estes dois vértices foram selecionados em conjunto com a Equipe da UFSC.

Os produtos gerados nesta atividade foram analisados e passaram por controle de qualidade da equipe UFSC, estando garantido o cumprimento dos parâmetros técnicos estabelecidos no TR. Após a homologação dos marcos pelo IBGE, a rede passará por novo ajustamento para consolidar as coordenadas que servirão de referência para o georreferenciamento de levantamentos topográficos.

c) Aerotriangulação

Aerotriangulação é o processo de adensamento dos pontos para obtenção em gabinete das coordenadas de pontos necessários para a orientação absoluta dos modelos estereoscópicos, de forma a permitir a execução do processo de restituição e a elaboração de ortofotos. A aerotriangulação foi executada de forma completa na área urbana - ÁREA 01 e área rural ÁREA 02.

O procedimento de aerotriangulação para o Município de Itabira – seguiu o modelo digital com a determinação automática e posterior correlação dos pontos fotogramétricos usando o software INPHO.

Os resultados do processamento da aerotriangulação para as ÁREAS 01 e 02 foram analisados e passaram por controle de qualidade da equipe UFSC. Todo o processamento da aerotriangulação para as ÁREAS 01 e 02 do projeto, seguiu as boas práticas de fotogrametria, de maneira a atender as precisões estabelecidas no capítulo 10 do TR e as etapas técnicas padrão de processamento e obtenção dos resultados, de acordo com os preceitos da normativa cartográfica, que classifica a qualidade geométrica do produto cartográfico obtido.

d) Modelo Digital do terreno (MDT) e Modelo Digital de Superfície (MDS)

O MDT corresponde à variação altimétrica do relevo que representa a superfície terrestre, enquanto o MDS sofre influência dos objetos que se encontram nesta superfície, como vegetação e construções. Tanto o modelo digital de superfície – MDS, quanto o modelo digital de terreno – MDT, são produtos derivados do processo de perfilamento LASER. As especificações técnicas para a geração destes produtos estão respectivamente nos capítulos 11 e 14 do termo de referência.

O Modelo Digital de Terreno foi **executado na totalidade da área urbana - ÁREA 01**, o que representa 70km² e o Modelo Digital de Superfície foi **executado parcialmente em 21km² da área urbana - ÁREA 01**.

Os produtos gerados nesta atividade foram analisados e passaram por controle de qualidade da equipe UFSC, estando garantido o cumprimento dos parâmetros técnicos estabelecidos no TR.

Todos os produtos das atividades descritas acima foram analisados e aprovados pela equipe técnica executora da UFSC/FEESC e pela Comissão Técnica Multidisciplinar da PMI e serão objetos do terceiro boletim de medição.

1.7.2 Acompanhamento das atividades de Levantamento Cadastral

Durante o mês de maio a empresa ENGEFOTO deu início as atividades de levantamento cadastral, definidas no ***Plano de Gerenciamento e Execução do Projeto e do Cronograma de Execução das Atividades***. A Equipe UFSC acompanhou e realizou a análise da atividade e dos respectivos produtos desenvolvidos pela empresa durante este mês.

1.7.2.1 Imageamento móvel

O imageamento móvel terrestre 360º georreferenciado de imóveis, correspondeu ao registro fotográfico com tomadas de fotos panorâmicas georreferenciadas, com abrangência horizontal de 360º e vertical de 300º, espaçadas regularmente em 5 metros ao longo das vias urbanas. Esta atividade atende as especificações do capítulo 15.2 do TR, gerando como produto derivado, as fotografias das frentes dos imóveis.

Cada imagem panorâmica obtida pelo veículo LandRunner teve sua coordenada determinada, permitindo desta forma realizar o enquadramento de cada lote urbano presente na base cartográfica fornecida pela prefeitura. Desta forma cada registro fotográfico do imóvel foi individualizado, e recebeu como nome a inscrição cadastral do imóvel. Este levantamento foi realizado na totalidade da área de contrato, ou seja, imageada toda área urbana ÁREA 01. Nesta etapa de execução está sendo considerada a entrega parcial das fotografias das frentes dos imóveis, em um total de 28 mil unidades.

O levantamento foi realizado nos logradouros da Área 1, envolvendo Sede e Distritos, totalizando 558km lineares de percursos. Pelo descrito, observou-se o atendimento das especificações do TR, quanto ao levantamento, processamento e disponibilização das imagens panorâmicas, faltando, completa ou parcialmente, atender aos seguintes itens do TR:

- edição das imagens para que a identificação de rostos de pessoas ou placas de automóveis, caminhões, motos e relacionados não sejam identificados;
- complementação e ajuste da vinculação das imagens aos lotes da base cadastral. Preliminarmente foram vinculadas as imagens a 28.000 lotes. Entende-se que somente após a finalização da espacialização da malha de lotes será possível finalizar este item;
- adaptação dos recursos de visualização das imagens ao Sistema de Informação Territorial;
- treinamento dos técnicos da prefeitura no sistema de visualização das imagens.

Os produtos gerados nesta atividade foram analisados e passaram por controle de qualidade da equipe UFSC. A análise das imagens foi realizada de forma amostral, distribuída em toda área e considerando a Sede e Distritos. Ao analisar-se os resultados no sistema disponibilizado pela empresa, pôde-se notar a cobertura completa da Área 1, excetuando-se os logradouros inacessíveis (logradouros não abertos, condomínios fechados). As imagens atendem ao que foi especificado no TR, com boa nitidez, mesmo em alguns percursos onde o dia não se encontrava predominantemente ensolarado. Destaca-se que a visualização das imagens em monitores com baixa resolução prejudica a nitidez. Dado o exposto, conclui-se que o trabalho desenvolvido atendeu ao esperado e está apto para os demais encaminhamentos e será objeto do terceiro boletim de medição.

1.8 Regularização Fundiária Urbana

Esta atividade consiste na elaboração do termo de referência para contratação da regularização fundiária urbana nas localidades denominadas Fênix e Pedreira, no acompanhamento do processo licitatório e acompanhamento do desenvolvimento das atividades pela empresa a ser contratada. A etapa encontra-se paralisada, **com 40%** realizado até o presente momento. Esta etapa precisou ser reprogramada, após a aprovação do aditivo de prazo solicitado pela UFSC.

Para dar sequência nesta atividade é necessário que a prefeitura dê início ao processo licitatório. A Comissão Técnica Multidisciplinar da PMI está fazendo a cotação de preços para realizar os serviços previstos no TR e a adequação do edital.

2. ATUALIZAÇÃO DA PLANTA DE VALORES GENÉRICOS (PVG) E RESPECTIVO TREINAMENTO SOBRE METODOLOGIA E ATUALIZAÇÃO

A atualização da Planta de Valores Genéricos consiste em fazer a revisão e readequação dos modelos de avaliação e atualização da Planta de Valores Genéricos do município de Itabira. A execução desta fase teve início no mês de abril/ 2020 e será desenvolvida diretamente pela equipe técnica executora da UFSC/FEESC. Atualmente esta fase encontra-se **90%** executada.

2.1 Planejamento das atividades

Esta etapa foi descrita no 4º relatório e conforme o **Cronograma de Acompanhamento das Atividades – Geral (ANEXO I)** a etapa foi concluída em abril/2020.

2.2 Constituição de base de dados do mercado imobiliário

Esta etapa foi descrita no 13º e 14º relatório e foi concluída em março/2021.

2.3 Processamento e análise dos dados

Esta etapa foi descrita no 15º relatório e foi concluída em abril/2021.

2.4 Validação, simulações e apresentação dos resultados

A etapa encontra-se em andamento, com **90%** realizado até o presente momento. Após a determinação dos valores unitários de referência (de terrenos e edificações) iniciou-se a etapa de validação, simulações e apresentação dos resultados definidos pelos modelos de avaliação em massa de imóveis propostos.

No dia 11/05, as 14 horas, por vídeo conferência, foi realizada reunião, em que participaram membros da equipe técnica executora da UFSC/FEESC (Carlos, Everton, Francisco) e da Comissão Técnica Multidisciplinar da PMI (Rosangela e Gilza). Esta reunião foi para apresentar e validar os modelos de avaliação em massa para os imóveis construídos. Fez-se a demonstração dos resultados com apoio do sistema de informações geográfica onde foram discutidos alguns casos de super e subavaliação.

Para simular o cálculo em toda a base cadastral foram desenvolvidos scripts de cálculos que se encontram no ANEXO III. Durante o mês de junho os resultados da simulação dos novos modelos na base cadastral serão apresentados para discussão e encaminhamentos da adequação da legislação tributária.

2.5 Adequação da legislação

A etapa encontra-se em andamento, com **90%** realizado até o presente momento. Esta etapa iniciou após a definição dos modelos de avaliação em massa dos imóveis, com a elaboração das MINUTAS DO PROJETO DE LEI e do DECRETO DE REGULAMENTAÇÃO DO CÁLCULO DOS VALORES CADASTRAIS que foram disponibilizados para a PMI.

Após a etapa de validação dos resultados e de simulações para ajuste da política fiscal, as minutas serão revisadas para análise da procuradoria e posterior encaminhamento ao legislativo municipal.

3. CONSULTORIA EM TI: INFRAESTRUTURA E AMBIENTE; SISTEMAS SIT, SICART E SIG; INTEGRAÇÃO DO SISTEMA; TREINAMENTO

Esta fase iniciou no mês de março/ 2020, e até o presente momento foi executada 57%. É composta por 6 etapas, sendo que 5 delas encontram-se finalizadas e a etapa **3.6 Acompanhamento das atividades da empresa contratada: Análise e Modelagem, Implementação, Implantação, Integração, Treinamento, operacionalização do SIT e Portal** teve início no mês de maio. Esta etapa depende das atividades a serem desenvolvidas pela empresa contratada e foi reprogramada, após a aprovação do aditivo de prazo solicitado pela UFSC.

3.1 Levantamentos de informações

Esta etapa foi descrita no 5º relatório e conforme o **Cronograma de Acompanhamento das Atividades – Geral (ANEXO I)** foi concluída em maio/2020.

Ressalta-se que as demandas levantadas foram apresentadas à Comissão Técnica Multidisciplinar da PMI e foram discutidas e avaliadas em conjunto com a equipe executora da UFSC/FEESC sobre a sua viabilidade técnica e executiva de implementação.

3.2 Assessoria na Análise e Modelagem do SIT/ SITCART/SIG

Esta etapa foi descrita no 5º relatório e conforme o **Cronograma de Acompanhamento das Atividades – Geral (ANEXO I)** foi concluída em maio/2020.

O modelo conceitual preliminar foi encaminhado à Comissão Técnica Multidisciplinar da PMI. Ressalta-se que ele foi discutido e avaliado em conjunto com a equipe executora da UFSC/FEESC sobre a sua viabilidade técnica e executiva de implementação.

3.3 Assessoria na Integração de Sistemas – INTEROPERABILIDADE

Esta etapa foi descrita no 5º relatório e conforme o **Cronograma de Acompanhamento das Atividades – Geral (ANEXO I)** foi concluída em maio/2020.

Os procedimentos de integração e interoperabilidade foram descritos no Termo de Referência, que foi encaminhado à Comissão Técnica Multidisciplinar da PMI, sendo discutido e avaliado em conjunto com a equipe executora da UFSC/FEESC sobre a sua viabilidade técnica e executiva de implementação.

3.4 Assessoria na Definição da Infraestrutura ou Ambiente

O relatório da análise e especificação da infraestrutura necessária para implantação de um SIT e GeoPortal na PMI (hardware, software, rede) e o relatório da análise e especificação de ampliação do parque de licenças de softwares da plataforma ESRI® foram encaminhados para a análise da Comissão Técnica Multidisciplinar da PMI, no dia 29/07/2020. Após esclarecimentos de dúvidas e ajustes nos relatórios, eles foram reenviados à comissão.

3.5 Análise e especificação do treinamento

Esta etapa consistiu na definição dos principais treinamentos que serão desenvolvidos pela empresa a ser contratada por meio do processo licitatório. Foram especificados os principais itens de treinamento a serem ministrados para os técnicos da PMI. O escopo do treinamento encontra-se no TR que acompanha o Edital 093/2020. Após a contratação da empresa será discutido e ajustado o cronograma de execução dos treinamentos em T.I.

3.6 Acompanhamento das atividades da empresa contratada: Análise e Modelagem, Implementação, Implantação, Integração, Treinamento, operacionalização do SIT e Portal

Esta etapa consiste em acompanhar as atividades desenvolvidas pela empresa ENGEFOTO, de modo a validar e orientar os procedimentos visando a solução de software pretendida pelo município. A etapa encontra-se em andamento, com 4% realizado até o presente momento. Por depender das atividades a serem desenvolvidas pela empresa contratada, esta etapa precisou ser reprogramada, após a aprovação do aditivo de prazo solicitado pela UFSC.

Para melhor acompanhar o início das atividades a serem executadas pela Empresa, principalmente nesta fase inicial, foi acordado a realização de reuniões semanais de entre a Comissão Técnica Multidisciplinar da PMI, equipe técnica executora da UFSC/FEESC e núcleo de TI da Empresa ENGEFOTO Engenharia.

Durante o mês de maio foram realizadas 04 reuniões de acompanhamento das atividades que sequeem descritas abaixo:

- No dia 10/05, as 10 horas, por vídeo conferência, foi realizada uma reunião, em que participaram membros do núcleo gestor e de TI da Empresa ENGEFOTO (Thiago, Everton e Mirian), da equipe técnica executora da UFSC/FEESC (Carlos, Everton, Francisco, Liane e Felipe) e da Comissão Técnica Multidisciplinar da PMI (Gilza e Rosangela, Patrícia). Nesta reunião foram apresentadas as soluções que a empresa já tem desenvolvido e que serão customizadas para o município de Itabira.
- No dia 18/05, as 16 horas, por vídeo conferência, foi realizada uma reunião, em que participaram membros do núcleo de TI da Empresa ENGEFOTO, da equipe técnica executora da UFSC/FEESC (Carlos e Felipe) e da Comissão Técnica Multidisciplinar da PMI (Gilza, Eunice). Esta reunião teve como objetivo iniciar a discussão sobre os requisitos da solução de software.
- No dia 24/05, as 9 horas, por vídeo conferência, foi realizada uma reunião, em que participaram membros do núcleo de TI da Empresa ENGEFOTO, da equipe técnica executora da UFSC/FEESC (Carlos, Liane, Francisco, Everton e Felipe) e da Comissão Técnica Multidisciplinar da PMI (Gilza, Eunice). Esta reunião teve como objetivo dar continuidade as discussões sobre os requisitos da solução de software.
- No dia 31/05, as 11 horas, por vídeo conferência, foi realizada uma reunião, em que participaram membros do núcleo de TI da Empresa ENGEFOTO, da equipe técnica executora da UFSC/FEESC (Carlos, Liane, Francisco, Everton e Felipe), da Comissão Técnica

Multidisciplinar da PMI (Gilza) e o Secretário Municipal de Agricultura e Abastecimento da PMI. Esta reunião teve como objetivo discutir as características do módulo rural.

4. CONSULTORIA PARA REGULAMENTAÇÃO DO CADASTRO TERRITORIAL MULTIFINALITÁRIO (CTM) DE ACORDO COM A DIRETRIZ Nº 511 DE 2009 DO MINISTÉRIO DAS CIDADES: OBJETIVANDO A SUSTENTABILIDADE DO CADASTRO E A SUA MULTIFINALIDADE, A REGULAMENTAÇÃO DE ALGUNS PROCEDIMENTOS PARA ATUALIZAÇÃO DO CADASTRO TORNA-SE NECESSÁRIA; E SERÁ ORIENTADA EM ACORDO COM A DIRETRIZ Nº 511 DE 2009 DO MINISTÉRIO DAS CIDADES QUE SISTEMATIZA A FORMA DE IMPLANTAÇÃO DO CTM.

Por depender das atividades a serem desenvolvidas pela empresa contratada, esta etapa precisou ser reprogramada, após a aprovação do aditivo de prazo solicitado pela UFSC. O **CRONOGRAMA DE ACOMPANHAMENTO DAS ATIVIDADES – GERAL – ADITIVO**, com a reprogramação desta etapa é apresentado no ANEXO II, deste documento. Este cronograma entrará em vigência a partir do próximo mês (junho).

5. APOIAR/ORIENTAR A FORMALIZAÇÃO DE UM ACORDO DE PARCERIA ENTRE A PREFEITURA MUNICIPAL DE ITABIRA E OS CARTÓRIOS DE REGISTRO DE IMÓVEIS.

Por depender das atividades a serem desenvolvidas pela empresa contratada, esta etapa precisou ser reprogramada, após a aprovação do aditivo de prazo solicitado pela UFSC. O **CRONOGRAMA DE ACOMPANHAMENTO DAS ATIVIDADES – GERAL – ADITIVO**, com a reprogramação desta etapa é apresentado no ANEXO II, deste documento. Este cronograma entrará em vigência a partir do próximo mês (junho).

6. TREINAMENTO EM CTM E GEOTECNOLOGIAS SOBRE OS PRODUTOS, SERVIÇOS E NOVAS METODOLOGIAS PREVISTAS NO PROJETO

Por depender das atividades a serem desenvolvidas pela empresa contratada, esta etapa precisou ser reprogramada, após a aprovação do aditivo de prazo solicitado pela UFSC. O

CRONOGRAMA DE ACOMPANHAMENTO DAS ATIVIDADES – GERAL – ADITIVO, com a reprogramação desta etapa é apresentado no ANEXO II, deste documento. Este cronograma entrará em vigência a partir do próximo mês (junho).

III. CONSIDERAÇÕES FINAIS

As etapas previstas para serem desenvolvidas no mês de **junho** foram realizadas e encontram-se em condições de análise pela Comissão Técnica Multidisciplinar da PMI. Estas atividades, representam 60% de todas as fases do projeto e 67% da fase 1, 90% da fase 2 e 57% da fase 3.

Para próximo período, referente ao mês de maio, será dada continuidade as atividades relacionadas as etapas **1.7 acompanhamento das atividades de mapeamento e levantamento cadastral**, da Fase 1; as etapas **2.4 Validação, simulações e apresentação dos resultados e 2.5 Adequação da legislação**, da Fase 2 e a etapa **3.6 Acompanhamento das atividades da empresa contratada: Análise e Modelagem, Implementação, Implantação, Integração, Treinamento, operacionalização do SIT e Portal**, da Fase 3.

As atividades da equipe UFSC que dependiam das atividades a serem desenvolvidas pela empresa **foram reprogramadas**, após a tramitação e aprovação do aditivo de prazo solicitado pela UFSC. O referido convênio foi aditivado por mais 12 meses a contar de 21/05/21. O **CRONOGRAMA DE ACOMPANHAMENTO DAS ATIVIDADES – GERAL – ADITIVO**, com a reprogramação das etapas é apresentado no ANEXO II, deste documento. Este cronograma entrará em vigência a partir do mês de junho.

Florianópolis, 28 de junho de 2021.



Carlos Antônio Oliveira Vieira - **Coordenador do Projeto**

ANEXOS

ANEXO I

Cronograma de Acompanhamento das Atividades – Geral

ACOMPANHAMENTO DAS ATIVIDADES EXECUTADAS

[illegible]

ID	Fase/ Etapa Descrição das Atividades	% Executado Etapa (mensal)	% Previsto Etapa (acum.)	% Executado Etapa (acum.)	Situação Etapa	Observações
1	Elaboração dos Editais, elaboração Termos de Referência, acompanhamento dos processos licitatórios, assessoria no desenvolvimento, implantação, execução dos produtos e serviços contratados, auditoria da qualidade desses produtos e serviços	4,5%	70,0%	70,0%	Andamento	
1.1	Elaboração do Cronograma de Execução (CE) do Projeto					
1.2	Discussão e coleta de dados					
1.3	Elaboração preliminar dos Termos de Referencia					
1.4	Elaboração preliminar dos Editais					
1.5	Apresentação e discussão do edital e termos de referencias ajustes					
1.6	Acompanhamento do certame e apoio nas respostas aos questionamentos das empresas					
1.7	Acompanhamento das atividades de mapeamento e levantamento cadastral					
1.8	Regularização fundiária Urbana (Reurb-S):					
2	Atualização da Planta de Valores Genéricos (PVG) e respectivo treinamento sobre metodologia e atualização	5%	100%	90%	Andamento	
2.1	Planejamento das atividades					
2.2	Constituição de base de dados do mercado imobiliário					
2.3	Processamento e análise de dados					
2.4	Validação dos trabalhos					
2.5	Adequação da legislação tributária					
2.6	Capacitação					
3	Consultoria em TI: Infraestrutura e Ambiente; Sistemas SIT, SICART e SIG; Integração do Sistema; Treinamento	2%	57%	57%	em andamento.	
3.1	Levantamentos de informações					
3.2	Assessoria na Análise e Modelagem do SIT					
3.3	Assesoria na Integração de Sistemas - INTEROPERABILIDADE					
3.4	Assessoria na Definição da Infraestrutura ou Ambiente					
3.5	Análise e Especificação do Treinamento					
3.6	Acompanhamento das atividades da empresa contratada: Análise e Modelagem, Implementação, Implantação, Integração, Treinamento, operacionalização do SIT e					
4	Consultoria para regulamentação do Cadastro Territorial Multifinalitário (CTM) de acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades: Objetivando a sustentabilidade do cadastro e a sua multifinalidade, a regulamentação de alguns procedimentos para atualização do cadastro torna-se necessária; e será orientada em acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades que sistematiza a					
4.1	Estudo da legislação municipal direta ou indiretamente relacionada ao CTM e a Legislação Tributária do Município.					
4.2	Diagnostico da infraestrutura de recursos humanos e equipamentos					
4.3	Diagnóstico das rotinas e fluxo de atividades entre setores/órgãos.					
4.4	Proposição e discussão das rotinas de atualização cadastral					
4.5	Elaboração de um anteprojeto de lei para a regulamentação do cadastro..					

ID	Fase/ Etapa Descrição das Atividades	% Executado Etapa (mensal)	% Previsto Etapa (acum.)	% Executado Etapa (acum.)	Situação Etapa	Observações
4.6	Submissão para apreciação e ajustes (município)					
5	Apoiar/orientar a formalização de um acordo de parceria entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis.					
5.1	Diagnóstico das rotinas e fluxo de atividades entre setores/órgãos da prefeitura e cartório.					
5.2	Reuniões técnicas entre os órgãos da Prefeitura e Cartório para subsidiar a elaboração do termo de cooperação.					
5.3	Elaboração do termo de Cooperação técnica entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis;					
5.4	Apresentação do Termo de Cooperação entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis - para trâmite.					
6	Treinamento em CTM e Geotecnologias sobre os produtos, serviços e novas metodologias previstas no projeto					
6.1	Planejamento da capacitação junto a equipe da prefeitura.					
6.2	Acompanhamento do planejamento do treinamento junto a equipe da prefeitura (empresa).					
6.3	Elaboração de material didático para capacitação da equipe da prefeitura					
6.4	Acompanhamento da elaboração de material didático para treinamento da equipe da prefeitura (empresa)					
6.5	Período Execução das capacitações e treinamentos (teóricos e práticos).					
7	Relatórios de Finalização do projeto	1%	60%	60%	Andamento	
7.1	Relatório Mensal					
7.2	Relatório Final					

ANEXO II

CRONOGRAMA DE ACOMPANHAMENTO DAS ATIVIDADES – GERAL – ADITIVO

ACOMPANHAMENTO DAS ATIVIDADES EXECUTADAS - REPLANEJAMENTO ADITIVO

ID	Fase/ Etapa Descrição das Atividades		executado acumulado até 21/05/21	jun/21	jul/21	ago/21	set/21	out/21	nov/21	dez/21	jan/22	fev/22	mar/22	abr/22	mai/22	jun/22	jul/22	% Previsto Etapa (mensal)
0	Acompanhamento Execução Geral do Projeto	P	60%	2%	3%	3%	3%	4%	4%	4%	3%	4%	4%	3%	3%			
		R	60%															
1	Elaboração dos Editais, elaboração Termos de Referência, acompanhamento dos processos licitatórios, assessoria no desenvolvimento, implantação, execução dos produtos e serviços contratados, auditoria da qualidade desses produtos e serviços	P	70%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	5%	5%			
		R	70%															
1.1	Elaboração do Cronograma de Execução (CE) do Projeto	P	100%															
		R	100%															
1.2	Discussão e coleta de dados	P	100%															
		R	100%															
1.3	Elaboração preliminar dos Termos de Referencia	P	100%															
		R	100%															
1.4	Elaboração preliminar dos Editais	P	100%															
		R	100%															
1.5	Apresentação e discussão do edital e termos de referencias ajustes	P	100%															
		R	100%															
1.6	Acompanhamento do certame e apoio nas respostas aos questionamentos das empresas	P	100%															
		R	100%															
1.7	Acompanhamento das atividades de mapeamento e levantamento cadastral	P	14%	7%	7%	7%	7%	7%	7%	7%	7%	7%	7%	8%	8%			
		R	14%															
1.8	Regularização fundiária Urbana (Reurb-S):	P	40%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%			
		R	40%															
2	Atualização da Planta de Valores Genéricos (PVG) e respectivo treinamento sobre metodologia e atualização	P	100,00%															
		R	90%															
2.1	Planejamento das atividades	P	100%															
		R	100%															
2.2	Constituição de base de dados do mercado imobiliário	P	100%															
		R	100%															
2.3	Processamento e análise de dados	P	100%															
		R	100%															
2.4	Validação dos trabalhos	P	100%															
		R	90%															
2.5	Adequação da legislação tributária	P	100%															
		R	90%															
2.6	Capacitação	P	100%															
		R	30%															
3	Consultoria em TI: Infraestrutura e Ambiente; Sistemas SIT, SICART e SIG; Integração do Sistema; Treinamento	P	57%		2%	2%	5%	5%	5%	4%	4%	4%	4%	4%	4%			
		R	57%															
3.1	Levantamentos de informações	P	100%															
		R	100%															
3.2	Assessoria na Análise e Modelagem do SIT	P	100%															
		R	100%															
3.3	Assesoria na Integração de Sistemas - INTEROPERABILIDADE	P	100%															
		R	100%															
3.4	Assessoria na Definição da Infraestrutura ou Ambiente	P	100%															
		R	100%															
3.5	Análise e Especificação do Treinamento	P	100%															
		R	100%															
3.6	Acompanhamento das atividades da empresa contratada: Análise e Modelagem, Implementação, Implantação, Integração, Treinamento, operacionalização do SIT e	P	0%		8%	8%	10%	10%	10%	9%	9%	9%	9%	9%	9%			
		R	4%															
4	Consultoria para regulamentação do Cadastro Territorial Multifinalitário (CTM) de acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades: Objetivando a sustentabilidade do cadastro e a sua multifinalidade, a regulamentação de alguns procedimentos para atualização do cadastro torna-se necessária; e será orientada em acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades que sistematiza a	P	0%					15%	21%	21%	7%	15%	21%					
		R	0%															
4.1	Estudo da legislação municipal direta ou indiretamente relacionada ao CTM e a Legislação Tributária do Município.	P	0%					34%	33%	33%								
		R	0%															
4.2	Diagnostico da infraestrutura de recursos humanos e equipamentos	P	0%						50%	50%								
		R	0%															
4.3	Diagnóstico das rotinas e fluxo de atividades entre setores/órgãos.	P	0%					34%	33%	33%								
		R	0%															
4.4	Proposição e discussão das rotinas de atualização cadastral	P	0%								34%	33%	33%					

ACOMPANHAMENTO DAS ATIVIDADES EXECUTADAS - REPLANEJAMENTO ADITIVO

[illegible]

ID	Fase/ Etapa Descrição das Atividades	% Executado Etapa (mensal)	% Previsto Etapa (acum.)	% Executado Etapa (acum.)	Situação Etapa	Observações
	Acompanhamento Execução Geral do Projeto					
0						
1	Elaboração dos Editais, elaboração Termos de Referência, acompanhamento dos processos licitatórios, assessoria no desenvolvimento, implantação, execução dos produtos e serviços contratados, auditoria da qualidade desses produtos e serviços					
1.1	Elaboração do Cronograma de Execução (CE) do Projeto					
1.2	Discussão e coleta de dados					
1.3	Elaboração preliminar dos Termos de Referencia					
1.4	Elaboração preliminar dos Editais					
1.5	Apresentação e discussão do edital e termos de referencias ajustes					
1.6	Acompanhamento do certame e apoio nas respostas aos questionamentos das empresas					
1.7	Acompanhamento das atividades de mapeamento e levantamento cadastral					
1.8	Regularização fundiária Urbana (Reurb-S):					
2	Atualização da Planta de Valores Genéricos (PVG) e respectivo treinamento sobre metodologia e atualização					
2.1	Planejamento das atividades					
2.2	Constituição de base de dados do mercado imobiliário					
2.3	Processamento e análise de dados					
2.4	Validação dos trabalhos					
2.5	Adequação da legislação tributária					
2.6	Capacitação					
3	Consultoria em TI: Infraestrutura e Ambiente; Sistemas SIT, SICART e SIG; Integração do Sistema; Treinamento					
3.1	Levantamentos de informações					
3.2	Assessoria na Análise e Modelagem do SIT					
3.3	Assesoria na Integração de Sistemas - INTEROPERABILIDADE					
3.4	Assessoria na Definição da Infraestrutura ou Ambiente					
3.5	Análise e Especificação do Treinamento					
3.6	Acompanhamento das atividades da empresa contratada: Análise e Modelagem, Implementação, Implantação, Integração, Treinamento, operacionalização do SIT e					
4	Consultoria para regulamentação do Cadastro Territorial Multifinalitário (CTM) de acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades: Objetivando a sustentabilidade do cadastro e a sua multifinalidade, a regulamentação de alguns procedimentos para atualização do cadastro torna-se necessária; e será orientada em acordo com a Diretriz nº 511 de 2009 do Ministério das Cidades que sistematiza a					
4.1	Estudo da legislação municipal direta ou indiretamente relacionada ao CTM e a Legislação Tributária do Município.					
4.2	Diagnostico da infraestrutura de recursos humanos e equipamentos					
4.3	Diagnóstico das rotinas e fluxo de atividades entre setores/órgãos.					
4.4	Proposição e discussão das rotinas de atualização cadastral					

ID	Fase/ Etapa Descrição das Atividades	% Executado Etapa (mensal)	% Previsto Etapa (acum.)	% Executado Etapa (acum.)	Situação Etapa	Observações
4.4	Proposição e discussão das rotinas de atualização cadastral					
4.5	Elaboração de um anteprojeto de lei para a regulamentação do cadastro..					
4.6	Submissão para apreciação e ajustes (município)					
5	Apoiar/orientar a formalização de um acordo de parceria entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis.					
5.1	Diagnóstico das rotinas e fluxo de atividades entre setores/órgãos da prefeitura e cartório.					
5.2	Reuniões técnicas entre os órgãos da Prefeitura e Cartório para subsidiar a elaboração do termo de cooperação.					
5.3	Elaboração do termo de Cooperação técnica entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis;					
5.4	Apresentação do Termo de Cooperação entre a Prefeitura Municipal de Itabira e os Cartórios de Registro de Imóveis - para trâmite.					
6	Treinamento em CTM e Geotecnologias sobre os produtos, serviços e novas metodologias previstas no projeto					
6.1	Planejamento da capacitação junto a equipe da prefeitura.					
6.2	Acompanhamento do planejamento do treinamento junto a equipe da prefeitura (empresa).					
6.3	Elaboração de material didático para capacitação da equipe da prefeitura					
6.4	Acompanhamento da elaboração de material didático para treinamento da equipe da prefeitura (empresa)					
6.5	Período Execução das capacitações e treinamentos (teóricos e práticos).					
7	Relatórios de Finalização do projeto					
7.1	Relatório Mensal					
7.2	Relatório Final					

ANEXO III

SCRIPTS DE CÁLCULOS

```

----- formula principal condominios
-----
--
-- Vcv = [2,5626 x Cr x (Area)0,673 x (VUpvg)0,154 x (Npav)1,025 x (Fpcv x Fcov x Fstv x Ftuv) x Facv]

----- condominios
verticais ----- condominios
verticais ----- condominios verticais

--drop view view_variaveis_condominios_verticais

create view view_variaveis_condominios_verticais

as

select *,
--criando o n_pav garantindo que caso nao tem num de pavimentos, adote o valor de 5
    case when total_pav is null then '5'::numeric
    else total_pav::numeric
end as npav,
    '1' as fstv,
    '1' as fcov,
    '1' as fav,
    '1218.52' as cr,
    vmq
from (
select
*
from
(
select
*,
case
when padrao_proposto = 'Alto' then 3.0587
when padrao_proposto = 'Médio Alto' then 1.8649
when padrao_proposto = 'Médio' then 1.2704
when padrao_proposto = 'Médio Baixo' then 1.0000
else 1.2704
end as f_pcv_0,
case
when "77_-_conservacao_edif_" = 1 then 1.09
when "77_-_conservacao_edif_" = 2 then 1.07
when "77_-_conservacao_edif_" = 3 then 1
when "77_-_conservacao_edif_" = 4 then 0.90
when "77_-_conservacao_edif_" = 5 then 0.80
else 1
end as f_cov_0,
case
when "74_-_especie_edificacao" = 2 then 1
when "74_-_especie_edificacao" = 4 then 1.20
when "74_-_especie_edificacao" = 5 then 1.20
when "74_-_especie_edificacao" = 7 then 0.70
else 1
end as f_tip_0,
'1' as f_ip_0,
'1' as f_toi_0,
case when tipo_edificacao_0 = 'APTO.' and substr (tipologia_0, 0, 2) = 'R' /* apartamento residencial */
then 1
when tipo_edificacao_0 = 'APTO.' and substr (tipologia_0, 0, 2) = 'C' /* apartamento residencial */
then 1.20
when tipo_edificacao_0 = 'LOJA' then 1.20
when tipo_edificacao_0 = 'SALA' then 1.20
when tipo_edificacao_0 = 'BARRACÃO' then 0.30
when tipo_edificacao_0 = 'GARAGEM' then 0.70
when tipo_edificacao_0 = 'TERRAÇO' then 0.40
when tipo_edificacao_0 = 'IGREJA' then 1.20
when tipo_edificacao_0 = 'GALPÃO' then 0.70
when tipo_edificacao_0 = 'PORÃO' then 0.70
else 0.70

```

```

end as ftuv_0

from
(
select
"999_-_numero_do_cadastro",
"79_-_tipologia_edif_" as tipologia_0,
"75_-_uso_edificacao",
right ("79_-_tipologia_edif_",
1) as padrao_atual_0,
case
when "79_-_tipologia_edif_" = 'CSHA' then 'Médio Alto'
when "79_-_tipologia_edif_" = 'CSHM' then 'Médio'
when "79_-_tipologia_edif_" = 'CSHB' then 'Médio Baixo'
when "79_-_tipologia_edif_" = 'CSVA' then 'Médio Alto'
when "79_-_tipologia_edif_" = 'CSVM' then 'Médio'
when "79_-_tipologia_edif_" = 'CSVB' then 'Médio Baixo'
when "79_-_tipologia_edif_" = 'GA' then 'Alto'
when "79_-_tipologia_edif_" = 'GM' then 'Médio'
when "79_-_tipologia_edif_" = 'GB' then 'Médio Baixo'
when "79_-_tipologia_edif_" = 'GP' then 'Baixo'
when "79_-_tipologia_edif_" = 'RHL' then 'Alto'
when "79_-_tipologia_edif_" = 'RHA' then 'Médio Alto'
when "79_-_tipologia_edif_" = 'RHM' then 'Médio'
when "79_-_tipologia_edif_" = 'RHB' then 'Médio Baixo'
when "79_-_tipologia_edif_" = 'RHP' then 'Baixo'
when "79_-_tipologia_edif_" = 'RVL' then 'Alto'
when "79_-_tipologia_edif_" = 'RVA' then 'Médio Alto'
when "79_-_tipologia_edif_" = 'RVM' then 'Médio'
when "79_-_tipologia_edif_" = 'RVB' then 'Médio'
else 'Médio'
-- optei po setar como medio
end as padrao_proposto,
case
when "79_-_tipologia_edif_" = 'CSHA' then 'Único'
when "79_-_tipologia_edif_" = 'CSHM' then 'Único'
when "79_-_tipologia_edif_" = 'CSHB' then 'Único'
when "79_-_tipologia_edif_" = 'CSVA' then 'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'CSVM' then 'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'CSVB' then 'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'GA' then 'Único'
when "79_-_tipologia_edif_" = 'GM' then 'Único'
when "79_-_tipologia_edif_" = 'GB' then 'Único'
when "79_-_tipologia_edif_" = 'GP' then 'Único'
when "79_-_tipologia_edif_" = 'RHL' then 'Único'
when "79_-_tipologia_edif_" = 'RHA' then 'Único'
when "79_-_tipologia_edif_" = 'RHM' then 'Único'
when "79_-_tipologia_edif_" = 'RHB' then 'Único'
when "79_-_tipologia_edif_" = 'RHP' then 'Único'
when "79_-_tipologia_edif_" = 'RVL' then 'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVA' then 'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVM' then 'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVB' then 'Condomínio Vertical'
else 'Único'
-- optei po setar como medio
end as tipo_ocupacao_0,
"74_-_especie_edificacao"::numeric,
case
when "74_-_especie_edificacao"::numeric = 1 then 'CASA'
when "74_-_especie_edificacao"::numeric = 2 then 'APTO.'
when "74_-_especie_edificacao"::numeric = 3 then 'BARRACÃO'
when "74_-_especie_edificacao"::numeric = 4 then 'LOJA'
when "74_-_especie_edificacao"::numeric = 5 then 'SALA'
when "74_-_especie_edificacao"::numeric = 6 then 'GALPÃO'
when "74_-_especie_edificacao"::numeric = 7 then 'GARAGEM'
when "74_-_especie_edificacao"::numeric = 8 then 'TERRAÇO'
when "74_-_especie_edificacao"::numeric = 9 then 'PORÃO'
when "74_-_especie_edificacao"::numeric = 10 then 'IGREJA'
when "74_-_especie_edificacao"::numeric = 11 then 'GINÁSIO'
when "74_-_especie_edificacao"::numeric = 12 then 'ESTÁDIO'
when "74_-_especie_edificacao"::numeric = 13 then 'QUADRA COBERTA'
when "74_-_especie_edificacao"::numeric = 14 then 'QUADRA DESCOBERTA'
when "74_-_especie_edificacao"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_0,
"77_-_conservacao_edif_"::numeric,
"81_-_area_unidade" as area_unidade,
case

```

```

        when "64_-_edif_diferenciadas?" = '1' then 'Sim'
        when "64_-_edif_diferenciadas?" = '2' then 'Não'
        else 'Não'
    end as tem_diferenciadas
from
    public.cadastro c )cc
where
    tipo_ocupacao_0 = 'Condomínio Vertical'
    and tipo_edificacao_0 <> 'CASA' ) a0
----- diferenciada 1
left join (
    select
        *,
        case
            when padrao_proposto_01 = 'Alto' then 3.0587
            when padrao_proposto_01 = 'Médio Alto' then 1.8649
            when padrao_proposto_01 = 'Médio' then 1.2704
            when padrao_proposto_01 = 'Médio Baixo' then 1.0000
            else 1.2704
        end as f_pcv_01,
        case
            when "101_-_conserv_efif_dif_01" = 1 then 1.09
            when "101_-_conserv_efif_dif_01" = 2 then 1.07
            when "101_-_conserv_efif_dif_01" = 3 then 1
            when "101_-_conserv_efif_dif_01" = 4 then 0.90
            when "101_-_conserv_efif_dif_01" = 5 then 0.80
            else 1
        end as f_cov_01,
        case
            when "99_-_especie_edif_dif_01" = 2 then 1
            when "99_-_especie_edif_dif_01" = 4 then 1.20
            when "99_-_especie_edif_dif_01" = 5 then 1.20
            when "99_-_especie_edif_dif_01" = 7 then 0.70
            else 1
        end as f_tip_01,
        '1' as f_ip_01,
        '1' as f_toi_01,
        '1' as f_toi_01,
        case when tipo_edificacao_01 = 'APTO.' and substr (tipologia_01, 0, 2) = 'R' /* apartamento residencial */
then 1
            when tipo_edificacao_01 = 'APTO.' and substr (tipologia_01, 0, 2) = 'C' /* apartamento residencial */
then 1.20
            when tipo_edificacao_01 = 'LOJA' then 1.20
            when tipo_edificacao_01 = 'SALA' then 1.20
            when tipo_edificacao_01 = 'BARRACÃO' then 0.30
            when tipo_edificacao_01 = 'GARAGEM' then 0.70
            when tipo_edificacao_01 = 'TERRAÇO' then 0.40
            when tipo_edificacao_01 = 'IGREJA' then 1.20
            when tipo_edificacao_01 = 'GALPÃO' then 0.70
            when tipo_edificacao_01 = 'PORÃO' then 0.70
            else 0.70
        end as ftuv_01

from
    (
        select
            "999_-_numero_do_cadastro" as num_cad_01,
            "102_-_tipolog_edif_dif_01" as tipologia_01,
            "100_-_uso_edif_dif_01",
            right ("102_-_tipolog_edif_dif_01",
1) as padrao_atual_01,
            case
                when "102_-_tipolog_edif_dif_01" = 'CSHA' then 'Médio Alto'
                when "102_-_tipolog_edif_dif_01" = 'CSHM' then 'Médio'
                when "102_-_tipolog_edif_dif_01" = 'CSHB' then 'Médio Baixo'
                when "102_-_tipolog_edif_dif_01" = 'CSVA' then 'Médio Alto'
                when "102_-_tipolog_edif_dif_01" = 'CSVM' then 'Médio'
                when "102_-_tipolog_edif_dif_01" = 'CSVB' then 'Médio Baixo'
                when "102_-_tipolog_edif_dif_01" = 'GA' then 'Alto'
                when "102_-_tipolog_edif_dif_01" = 'GM' then 'Médio'
                when "102_-_tipolog_edif_dif_01" = 'GB' then 'Médio Baixo'
                when "102_-_tipolog_edif_dif_01" = 'GP' then 'Baixo'
                when "102_-_tipolog_edif_dif_01" = 'RHL' then 'Alto'
                when "102_-_tipolog_edif_dif_01" = 'RHA' then 'Médio Alto'

```



```

end as f_cov_02,
case
  when "105_-_especie_edif_dif_02" = 2 then 1
  when "105_-_especie_edif_dif_02" = 4 then 1.20
  when "105_-_especie_edif_dif_02" = 5 then 1.20
  when "105_-_especie_edif_dif_02" = 7 then 0.70
  else 1
end as f_tip_02,
'1' as f_ip_02,
'1' as f_toi_02,
case when tipo_edificacao_02 = 'APTO.' and substr (tipologia_02, 0, 2) = 'R' /* apartamento residencial */
then 1
      when tipo_edificacao_02 = 'APTO.' and substr (tipologia_02, 0, 2) = 'C' /* apartamento residencial */
then 1.20
      when tipo_edificacao_02 = 'LOJA' then 1.20
      when tipo_edificacao_02 = 'SALA' then 1.20
      when tipo_edificacao_02 = 'BARRACÃO' then 0.30
      when tipo_edificacao_02 = 'GARAGEM' then 0.70
      when tipo_edificacao_02 = 'TERRAÇO' then 0.40
      when tipo_edificacao_02 = 'IGREJA' then 1.20
      when tipo_edificacao_02 = 'GALPÃO' then 0.70
      when tipo_edificacao_02 = 'PORÃO' then 0.70
else 0.70
end as ftuv_02
from
(
select
  "999_-_numero_do_cadastro" as num_cad_02,
  "108_-_tipolog_edif_dif_02" as tipologia_02,
  "106_-_uso_edif_dif_02",
  right ("108_-_tipolog_edif_dif_02",
  1) as padrao_atual_02,
  case
    when "108_-_tipolog_edif_dif_02" = 'CSHA' then 'Médio Alto'
    when "108_-_tipolog_edif_dif_02" = 'CSHM' then 'Médio'
    when "108_-_tipolog_edif_dif_02" = 'CSHB' then 'Médio Baixo'
    when "108_-_tipolog_edif_dif_02" = 'CSVA' then 'Médio Alto'
    when "108_-_tipolog_edif_dif_02" = 'CSVM' then 'Médio'
    when "108_-_tipolog_edif_dif_02" = 'CSVB' then 'Médio Baixo'
    when "108_-_tipolog_edif_dif_02" = 'GA' then 'Alto'
    when "108_-_tipolog_edif_dif_02" = 'GM' then 'Médio'
    when "108_-_tipolog_edif_dif_02" = 'GB' then 'Médio Baixo'
    when "108_-_tipolog_edif_dif_02" = 'GP' then 'Baixo'
    when "108_-_tipolog_edif_dif_02" = 'RHL' then 'Alto'
    when "108_-_tipolog_edif_dif_02" = 'RHA' then 'Médio Alto'
    when "108_-_tipolog_edif_dif_02" = 'RHM' then 'Médio'
    when "108_-_tipolog_edif_dif_02" = 'RHB' then 'Médio Baixo'
    when "108_-_tipolog_edif_dif_02" = 'RHP' then 'Baixo'
    when "108_-_tipolog_edif_dif_02" = 'RVL' then 'Alto'
    when "108_-_tipolog_edif_dif_02" = 'RVA' then 'Médio Alto'
    when "108_-_tipolog_edif_dif_02" = 'RVM' then 'Médio'
    when "108_-_tipolog_edif_dif_02" = 'RVB' then 'Médio'
    else 'Médio'
  end as padrao_proposto_02,
  case
    when "108_-_tipolog_edif_dif_02" = 'CSHA' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'CSHM' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'CSHB' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'CSVA' then 'Condomínio Vertical'
    when "108_-_tipolog_edif_dif_02" = 'CSVM' then 'Condomínio Vertical'
    when "108_-_tipolog_edif_dif_02" = 'CSVB' then 'Condomínio Vertical'
    when "108_-_tipolog_edif_dif_02" = 'GA' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'GM' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'GB' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'GP' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'RHL' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'RHA' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'RHM' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'RHB' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'RHP' then 'Único'
    when "108_-_tipolog_edif_dif_02" = 'RVL' then 'Condomínio Vertical'
    when "108_-_tipolog_edif_dif_02" = 'RVA' then 'Condomínio Vertical'
    when "108_-_tipolog_edif_dif_02" = 'RVM' then 'Condomínio Vertical'
    when "108_-_tipolog_edif_dif_02" = 'RVB' then 'Condomínio Vertical'
    else 'Único'
  end as tipo_ocupacao_02,
  -- optei po setar como medio
end as tipo_ocupacao_02,

```

```

"105_-_especie_edif_dif_02"::numeric,
case
  when "105_-_especie_edif_dif_02"::numeric = 1 then 'CASA'
  when "105_-_especie_edif_dif_02"::numeric = 2 then 'APTO.'
  when "105_-_especie_edif_dif_02"::numeric = 3 then 'BARRACÃO'
  when "105_-_especie_edif_dif_02"::numeric = 4 then 'LOJA'
  when "105_-_especie_edif_dif_02"::numeric = 5 then 'SALA'
  when "105_-_especie_edif_dif_02"::numeric = 6 then 'GALPÃO'
  when "105_-_especie_edif_dif_02"::numeric = 7 then 'GARAGEM'
  when "105_-_especie_edif_dif_02"::numeric = 8 then 'TERRAÇO'
  when "105_-_especie_edif_dif_02"::numeric = 9 then 'PORÃO'
  when "105_-_especie_edif_dif_02"::numeric = 10 then 'IGREJA'
  when "105_-_especie_edif_dif_02"::numeric = 11 then 'GINÁSIO'
  when "105_-_especie_edif_dif_02"::numeric = 12 then 'ESTÁDIO'
  when "105_-_especie_edif_dif_02"::numeric = 13 then 'QUADRA COBERTA'
  when "105_-_especie_edif_dif_02"::numeric = 14 then 'QUADRA DESCOBERTA'
  when "105_-_especie_edif_dif_02"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_02,
"107_-_conserv_edif_dif_02"::numeric,
"109_-_area_edif_dif_02" as area_unidade_02
from
  public.cadastro c )cc
where
  tipo_ocupacao_02 = 'Condominio Vertical'
  and tipo_edificacao_02 <> 'CASA' ) a02 on
a0."999_-_numero_do_cadastro" = a02.num_cad_02
left join (
  select
    *,
    case
      when padrao_proposto_03 = 'Alto' then 3.0587
      when padrao_proposto_03 = 'Médio Alto' then 1.8649
      when padrao_proposto_03 = 'Médio' then 1.2704
      when padrao_proposto_03 = 'Médio Baixo' then 1.0000
      else 1.2704
    end as f_pcv_03,
    case
      when "113_-_conserv_edif_dif_03" = 1 then 1.09
      when "113_-_conserv_edif_dif_03" = 2 then 1.07
      when "113_-_conserv_edif_dif_03" = 3 then 1
      when "113_-_conserv_edif_dif_03" = 4 then 0.90
      when "113_-_conserv_edif_dif_03" = 5 then 0.80
      else 1
    end as f_cov_03,
    case
      when "111_-_especie_edif_dif_03" = 2 then 1
      when "111_-_especie_edif_dif_03" = 4 then 1.20
      when "111_-_especie_edif_dif_03" = 5 then 1.20
      when "111_-_especie_edif_dif_03" = 7 then 0.70
      else 1
    end as f_tip_03,
    '1' as f_ip_03,
    '1' as f_toi_03,
    case when tipo_edificacao_03 = 'APTO.' and substr (tipologia_03, 0, 2) = 'R' /* apartamento residencial */
then 1
      when tipo_edificacao_03 = 'APTO.' and substr (tipologia_03, 0, 2) = 'C' /* apartamento residencial */
then 1.20
      when tipo_edificacao_03 = 'LOJA' then 1.20
      when tipo_edificacao_03 = 'SALA' then 1.20
      when tipo_edificacao_03 = 'BARRACÃO' then 0.30
      when tipo_edificacao_03 = 'GARAGEM' then 0.70
      when tipo_edificacao_03 = 'TERRAÇO' then 0.40
      when tipo_edificacao_03 = 'IGREJA' then 1.20
      when tipo_edificacao_03 = 'GALPÃO' then 0.70
      when tipo_edificacao_03 = 'PORÃO' then 0.70
    else 0.70
    end as ftuv_03
  from
    (
      select
        "999_-_numero_do_cadastro" as num_cad_03,
        "111_-_especie_edif_dif_03" as tipologia_03,
        "112_-_uso_edif_dif_03",
        right ("111_-_especie_edif_dif_03",
1) as padrao_atual_03,
        case
          when "111_-_especie_edif_dif_03" = 'CSHA' then 'Médio Alto'

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        when "111_-_especie_edif_dif_03" = 'CSHM' then 'Médio'
        when "111_-_especie_edif_dif_03" = 'CSHB' then 'Médio Baixo'
        when "111_-_especie_edif_dif_03" = 'CSVA' then 'Médio Alto'
        when "111_-_especie_edif_dif_03" = 'CSVM' then 'Médio'
        when "111_-_especie_edif_dif_03" = 'CSVB' then 'Médio Baixo'
        when "111_-_especie_edif_dif_03" = 'GA' then 'Alto'
        when "111_-_especie_edif_dif_03" = 'GM' then 'Médio'
        when "111_-_especie_edif_dif_03" = 'GB' then 'Médio Baixo'
        when "111_-_especie_edif_dif_03" = 'GP' then 'Baixo'
        when "111_-_especie_edif_dif_03" = 'RHL' then 'Alto'
        when "111_-_especie_edif_dif_03" = 'RHA' then 'Médio Alto'
        when "111_-_especie_edif_dif_03" = 'RHM' then 'Médio'
        when "111_-_especie_edif_dif_03" = 'RHB' then 'Médio Baixo'
        when "111_-_especie_edif_dif_03" = 'RHP' then 'Baixo'
        when "111_-_especie_edif_dif_03" = 'RVL' then 'Alto'
        when "111_-_especie_edif_dif_03" = 'RVA' then 'Médio Alto'
        when "111_-_especie_edif_dif_03" = 'RVM' then 'Médio'
        when "111_-_especie_edif_dif_03" = 'RVB' then 'Médio'
        else 'Médio'
    end as padrao_proposto_03,
    case
        when "111_-_especie_edif_dif_03" = 'CSHA' then 'Único'
        when "111_-_especie_edif_dif_03" = 'CSHM' then 'Único'
        when "111_-_especie_edif_dif_03" = 'CSHB' then 'Único'
        when "111_-_especie_edif_dif_03" = 'CSVA' then 'Condomínio Vertical'
        when "111_-_especie_edif_dif_03" = 'CSVM' then 'Condomínio Vertical'
        when "111_-_especie_edif_dif_03" = 'CSVB' then 'Condomínio Vertical'
        when "111_-_especie_edif_dif_03" = 'GA' then 'Único'
        when "111_-_especie_edif_dif_03" = 'GM' then 'Único'
        when "111_-_especie_edif_dif_03" = 'GB' then 'Único'
        when "111_-_especie_edif_dif_03" = 'GP' then 'Único'
        when "111_-_especie_edif_dif_03" = 'RHL' then 'Único'
        when "111_-_especie_edif_dif_03" = 'RHA' then 'Único'
        when "111_-_especie_edif_dif_03" = 'RHM' then 'Único'
        when "111_-_especie_edif_dif_03" = 'RHB' then 'Único'
        when "111_-_especie_edif_dif_03" = 'RHP' then 'Único'
        when "111_-_especie_edif_dif_03" = 'RVL' then 'Condomínio Vertical'
        when "111_-_especie_edif_dif_03" = 'RVA' then 'Condomínio Vertical'
        when "111_-_especie_edif_dif_03" = 'RVM' then 'Condomínio Vertical'
        when "111_-_especie_edif_dif_03" = 'RVB' then 'Condomínio Vertical'
        else 'Único'
        -- optei po setar como medio
    end as tipo_ocupacao_03,
    "111_-_especie_edif_dif_03"::numeric,
    case
        when "111_-_especie_edif_dif_03"::numeric = 1 then 'CASA'
        when "111_-_especie_edif_dif_03"::numeric = 2 then 'APTO.'
        when "111_-_especie_edif_dif_03"::numeric = 3 then 'BARRACÃO'
        when "111_-_especie_edif_dif_03"::numeric = 4 then 'LOJA'
        when "111_-_especie_edif_dif_03"::numeric = 5 then 'SALA'
        when "111_-_especie_edif_dif_03"::numeric = 6 then 'GALPÃO'
        when "111_-_especie_edif_dif_03"::numeric = 7 then 'GARAGEM'
        when "111_-_especie_edif_dif_03"::numeric = 8 then 'TERRAÇO'
        when "111_-_especie_edif_dif_03"::numeric = 9 then 'PORÃO'
        when "111_-_especie_edif_dif_03"::numeric = 10 then 'IGREJA'
        when "111_-_especie_edif_dif_03"::numeric = 11 then 'GINÁSIO'
        when "111_-_especie_edif_dif_03"::numeric = 12 then 'ESTÁDIO'
        when "111_-_especie_edif_dif_03"::numeric = 13 then 'QUADRA COBERTA'
        when "111_-_especie_edif_dif_03"::numeric = 14 then 'QUADRA DESCOBERTA'
        when "111_-_especie_edif_dif_03"::numeric = 15 then 'PISCINA'
    end as tipo_edificacao_03,
    "113_-_conserv_edif_dif_03"::numeric,
    "115_-_area_edif_dif_03" as area_unidade_03
from
    public.cadastro c )cc
where
    tipo_ocupacao_03 = 'Condomínio Vertical'
    and tipo_edificacao_03 <> 'CASA' ) a03 on
a0."999_-_numero_do_cadastro" = a03.num_cad_03
left join (
    select
        *,
        case
            when padrao_proposto_04 = 'Alto' then 3.0587
            when padrao_proposto_04 = 'Médio Alto' then 1.8649
            when padrao_proposto_04 = 'Médio' then 1.2704
            when padrao_proposto_04 = 'Médio Baixo' then 1.0000

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        else 1.2704
    end as f_pcv_04,
    case
        when "119_-_conserv_edif_dif_04" = 1 then 1.09
        when "119_-_conserv_edif_dif_04" = 2 then 1.07
        when "119_-_conserv_edif_dif_04" = 3 then 1
        when "119_-_conserv_edif_dif_04" = 4 then 0.90
        when "119_-_conserv_edif_dif_04" = 5 then 0.80
        else 1
    end as f_cov_04,
    case
        when "117_-_especie_edif_dif_04" = 2 then 1
        when "117_-_especie_edif_dif_04" = 4 then 1.20
        when "117_-_especie_edif_dif_04" = 5 then 1.20
        when "117_-_especie_edif_dif_04" = 7 then 0.70
        else 1
    end as f_tip_04,
    '1' as f_ip_04,
    '1' as f_toi_04,
    case when tipo_edificacao_04 = 'APTO.' and substr (tipologia_04, 0, 2) = 'R' /* apartamento residencial */
then 1
        when tipo_edificacao_04 = 'APTO.' and substr (tipologia_04, 0, 2) = 'C' /* apartamento residencial */
then 1.20
        when tipo_edificacao_04 = 'LOJA' then 1.20
        when tipo_edificacao_04 = 'SALA' then 1.20
        when tipo_edificacao_04 = 'BARRACÃO' then 0.30
        when tipo_edificacao_04 = 'GARAGEM' then 0.70
        when tipo_edificacao_04 = 'TERRAÇO' then 0.40
        when tipo_edificacao_04 = 'IGREJA' then 1.20
        when tipo_edificacao_04 = 'GALPÃO' then 0.70
        when tipo_edificacao_04 = 'PORÃO' then 0.70
    else 0.70
    end as ftuv_04
from
(
select
    "999_-_numero_do_cadastro" as num_cad_04,
    "117_-_especie_edif_dif_04" as tipologia_04,
    "118_-_uso_edif_dif_04",
    right ("117_-_especie_edif_dif_04",
1) as padrao_atual_04,
    case
        when "117_-_especie_edif_dif_04" = 'CSHA' then 'Médio Alto'
        when "117_-_especie_edif_dif_04" = 'CSHM' then 'Médio'
        when "117_-_especie_edif_dif_04" = 'CSHB' then 'Médio Baixo'
        when "117_-_especie_edif_dif_04" = 'CSVA' then 'Médio Alto'
        when "117_-_especie_edif_dif_04" = 'CSVM' then 'Médio'
        when "117_-_especie_edif_dif_04" = 'CSVB' then 'Médio Baixo'
        when "117_-_especie_edif_dif_04" = 'GA' then 'Alto'
        when "117_-_especie_edif_dif_04" = 'GM' then 'Médio'
        when "117_-_especie_edif_dif_04" = 'GB' then 'Médio Baixo'
        when "117_-_especie_edif_dif_04" = 'GP' then 'Baixo'
        when "117_-_especie_edif_dif_04" = 'RHL' then 'Alto'
        when "117_-_especie_edif_dif_04" = 'RHA' then 'Médio Alto'
        when "117_-_especie_edif_dif_04" = 'RHM' then 'Médio'
        when "117_-_especie_edif_dif_04" = 'RHB' then 'Médio Baixo'
        when "117_-_especie_edif_dif_04" = 'RHP' then 'Baixo'
        when "117_-_especie_edif_dif_04" = 'RVL' then 'Alto'
        when "117_-_especie_edif_dif_04" = 'RVA' then 'Médio Alto'
        when "117_-_especie_edif_dif_04" = 'RVM' then 'Médio'
        when "117_-_especie_edif_dif_04" = 'RVB' then 'Médio'
        else 'Médio'
    end as padrao_proposto_04,
    case
        when "117_-_especie_edif_dif_04" = 'CSHA' then 'Único'
        when "117_-_especie_edif_dif_04" = 'CSHM' then 'Único'
        when "117_-_especie_edif_dif_04" = 'CSHB' then 'Único'
        when "117_-_especie_edif_dif_04" = 'CSVA' then 'Condomínio Vertical'
        when "117_-_especie_edif_dif_04" = 'CSVM' then 'Condomínio Vertical'
        when "117_-_especie_edif_dif_04" = 'CSVB' then 'Condomínio Vertical'
        when "117_-_especie_edif_dif_04" = 'GA' then 'Único'
        when "117_-_especie_edif_dif_04" = 'GM' then 'Único'
        when "117_-_especie_edif_dif_04" = 'GB' then 'Único'
        when "117_-_especie_edif_dif_04" = 'GP' then 'Único'
        when "117_-_especie_edif_dif_04" = 'RHL' then 'Único'
        when "117_-_especie_edif_dif_04" = 'RHA' then 'Único'
        when "117_-_especie_edif_dif_04" = 'RHM' then 'Único'

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        when "117_-_especie_edif_dif_04" = 'RHB' then 'Único'
        when "117_-_especie_edif_dif_04" = 'RHP' then 'Único'
        when "117_-_especie_edif_dif_04" = 'RVL' then 'Condomínio Vertical'
        when "117_-_especie_edif_dif_04" = 'RVA' then 'Condomínio Vertical'
        when "117_-_especie_edif_dif_04" = 'RVM' then 'Condomínio Vertical'
        when "117_-_especie_edif_dif_04" = 'RVB' then 'Condomínio Vertical'
        else 'Único'
        -- optei po setar como medio
    end as tipo_ocupacao_04,
    "117_-_especie_edif_dif_04"::numeric,
    case
        when "117_-_especie_edif_dif_04"::numeric = 1 then 'CASA'
        when "117_-_especie_edif_dif_04"::numeric = 2 then 'APTO.'
        when "117_-_especie_edif_dif_04"::numeric = 3 then 'BARRACÃO'
        when "117_-_especie_edif_dif_04"::numeric = 4 then 'LOJA'
        when "117_-_especie_edif_dif_04"::numeric = 5 then 'SALA'
        when "117_-_especie_edif_dif_04"::numeric = 6 then 'GALPÃO'
        when "117_-_especie_edif_dif_04"::numeric = 7 then 'GARAGEM'
        when "117_-_especie_edif_dif_04"::numeric = 8 then 'TERRAÇO'
        when "117_-_especie_edif_dif_04"::numeric = 9 then 'PORÃO'
        when "117_-_especie_edif_dif_04"::numeric = 10 then 'IGREJA'
        when "117_-_especie_edif_dif_04"::numeric = 11 then 'GINÁSIO'
        when "117_-_especie_edif_dif_04"::numeric = 12 then 'ESTÁDIO'
        when "117_-_especie_edif_dif_04"::numeric = 13 then 'QUADRA COBERTA'
        when "117_-_especie_edif_dif_04"::numeric = 14 then 'QUADRA DESCOBERTA'
        when "117_-_especie_edif_dif_04"::numeric = 15 then 'PISCINA'
    end as tipo_edificacao_04,
    "119_-_conserv_edif_dif_04"::numeric,
    "121_-_area_edif_dif_04" as area_unidade_04
from
    public.cadastro c )cc
where
    tipo_ocupacao_04 = 'Condomínio Vertical'
    and tipo_edificacao_04 <> 'CASA' ) a04 on
a0."999_-_numero_do_cadastro" = a04.num_cad_04
left join (
    select
        *,
        case
            when padrao_proposto_05 = 'Alto' then 3.0587
            when padrao_proposto_05 = 'Médio Alto' then 1.8649
            when padrao_proposto_05 = 'Médio' then 1.2704
            when padrao_proposto_05 = 'Médio Baixo' then 1.0000
            else 1.2704
        end as f_pcv_05,
        case
            when "125_-_conserv_edif_dif_05" = 1 then 1.09
            when "125_-_conserv_edif_dif_05" = 2 then 1.07
            when "125_-_conserv_edif_dif_05" = 3 then 1
            when "125_-_conserv_edif_dif_05" = 4 then 0.90
            when "125_-_conserv_edif_dif_05" = 5 then 0.80
            else 1
        end as f_cov_05,
        case
            when "123_-_especie_edif_dif_05" = 2 then 1
            when "123_-_especie_edif_dif_05" = 4 then 1.20
            when "123_-_especie_edif_dif_05" = 5 then 1.20
            when "123_-_especie_edif_dif_05" = 7 then 0.70
            else 1
        end as f_tip_05,
        '1' as f_ip_05,
        '1' as f_toi_05,
        case when tipo_edificacao_05 = 'APTO.' and substr (tipologia_05, 0, 2) = 'R' /* apartamento residencial */
then 1
        when tipo_edificacao_05 = 'APTO.' and substr (tipologia_05, 0, 2) = 'C' /* apartamento residencial */
then 1.20
        when tipo_edificacao_05 = 'LOJA' then 1.20
        when tipo_edificacao_05 = 'SALA' then 1.20
        when tipo_edificacao_05 = 'BARRACÃO' then 0.30
        when tipo_edificacao_05 = 'GARAGEM' then 0.70
        when tipo_edificacao_05 = 'TERRAÇO' then 0.40
        when tipo_edificacao_05 = 'IGREJA' then 1.20
        when tipo_edificacao_05 = 'GALPÃO' then 0.70
        when tipo_edificacao_05 = 'PORÃO' then 0.70
        else 0.70
    end as ftuv_05
from

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```

(
select
  "999_-_numero_do_cadastro" as num_cad_05,
  "123_-_especie_edif_dif_05" as tipologia_05,
  "124_-_uso_edif_dif_05",
  right ("123_-_especie_edif_dif_05",
  1) as padrao_atual_05,
  case
    when "123_-_especie_edif_dif_05" = 'CSHA' then 'Médio Alto'
    when "123_-_especie_edif_dif_05" = 'CSHM' then 'Médio'
    when "123_-_especie_edif_dif_05" = 'CSHB' then 'Médio Baixo'
    when "123_-_especie_edif_dif_05" = 'CSVA' then 'Médio Alto'
    when "123_-_especie_edif_dif_05" = 'CSVM' then 'Médio'
    when "123_-_especie_edif_dif_05" = 'CSVB' then 'Médio Baixo'
    when "123_-_especie_edif_dif_05" = 'GA' then 'Alto'
    when "123_-_especie_edif_dif_05" = 'GM' then 'Médio'
    when "123_-_especie_edif_dif_05" = 'GB' then 'Médio Baixo'
    when "123_-_especie_edif_dif_05" = 'GP' then 'Baixo'
    when "123_-_especie_edif_dif_05" = 'RHL' then 'Alto'
    when "123_-_especie_edif_dif_05" = 'RHA' then 'Médio Alto'
    when "123_-_especie_edif_dif_05" = 'RHM' then 'Médio'
    when "123_-_especie_edif_dif_05" = 'RHB' then 'Médio Baixo'
    when "123_-_especie_edif_dif_05" = 'RHP' then 'Baixo'
    when "123_-_especie_edif_dif_05" = 'RVL' then 'Alto'
    when "123_-_especie_edif_dif_05" = 'RVA' then 'Médio Alto'
    when "123_-_especie_edif_dif_05" = 'RVM' then 'Médio'
    when "123_-_especie_edif_dif_05" = 'RVB' then 'Médio'
    else 'Médio'
  end as padrao_proposto_05,
  case
    when "123_-_especie_edif_dif_05" = 'CSHA' then 'Único'
    when "123_-_especie_edif_dif_05" = 'CSHM' then 'Único'
    when "123_-_especie_edif_dif_05" = 'CSHB' then 'Único'
    when "123_-_especie_edif_dif_05" = 'CSVA' then 'Condomínio Vertical'
    when "123_-_especie_edif_dif_05" = 'CSVM' then 'Condomínio Vertical'
    when "123_-_especie_edif_dif_05" = 'CSVB' then 'Condomínio Vertical'
    when "123_-_especie_edif_dif_05" = 'GA' then 'Único'
    when "123_-_especie_edif_dif_05" = 'GM' then 'Único'
    when "123_-_especie_edif_dif_05" = 'GB' then 'Único'
    when "123_-_especie_edif_dif_05" = 'GP' then 'Único'
    when "123_-_especie_edif_dif_05" = 'RHL' then 'Único'
    when "123_-_especie_edif_dif_05" = 'RHA' then 'Único'
    when "123_-_especie_edif_dif_05" = 'RHM' then 'Único'
    when "123_-_especie_edif_dif_05" = 'RHB' then 'Único'
    when "123_-_especie_edif_dif_05" = 'RHP' then 'Único'
    when "123_-_especie_edif_dif_05" = 'RVL' then 'Condomínio Vertical'
    when "123_-_especie_edif_dif_05" = 'RVA' then 'Condomínio Vertical'
    when "123_-_especie_edif_dif_05" = 'RVM' then 'Condomínio Vertical'
    when "123_-_especie_edif_dif_05" = 'RVB' then 'Condomínio Vertical'
    else 'Único'
  end as tipo_ocupacao_05,
  "123_-_especie_edif_dif_05"::numeric,
  case
    when "123_-_especie_edif_dif_05"::numeric = 1 then 'CASA'
    when "123_-_especie_edif_dif_05"::numeric = 2 then 'APTO.'
    when "123_-_especie_edif_dif_05"::numeric = 3 then 'BARRACÃO'
    when "123_-_especie_edif_dif_05"::numeric = 4 then 'LOJA'
    when "123_-_especie_edif_dif_05"::numeric = 5 then 'SALA'
    when "123_-_especie_edif_dif_05"::numeric = 6 then 'GALPÃO'
    when "123_-_especie_edif_dif_05"::numeric = 7 then 'GARAGEM'
    when "123_-_especie_edif_dif_05"::numeric = 8 then 'TERRAÇO'
    when "123_-_especie_edif_dif_05"::numeric = 9 then 'PORÃO'
    when "123_-_especie_edif_dif_05"::numeric = 10 then 'IGREJA'
    when "123_-_especie_edif_dif_05"::numeric = 11 then 'GINÁSIO'
    when "123_-_especie_edif_dif_05"::numeric = 12 then 'ESTÁDIO'
    when "123_-_especie_edif_dif_05"::numeric = 13 then 'QUADRA COBERTA'
    when "123_-_especie_edif_dif_05"::numeric = 14 then 'QUADRA DESCOBERTA'
    when "123_-_especie_edif_dif_05"::numeric = 15 then 'PISCINA'
  end as tipo_edificacao_05,
  "125_-_conserv_edif_dif_05"::numeric,
  "127_-_area_edif_dif_05" as area_unidade_05
from
  public.cadastro c )cc
where
  tipo_ocupacao_05 = 'Condomínio Vertical'
  and tipo_edificacao_05 <> 'CASA' ) a05 on

```

```

a0."999_-_numero_do_cadastro" = a05.num_cad_05
left join (
  select
    *,
    case
      when padrao_proposto_06 = 'Alto' then 3.0587
      when padrao_proposto_06 = 'Médio Alto' then 1.8649
      when padrao_proposto_06 = 'Médio' then 1.2704
      when padrao_proposto_06 = 'Médio Baixo' then 1.0000
      else 1.2704
    end as f_pcv_06,
    case
      when "131_-_conserv_edif_dif_06" = 1 then 1.09
      when "131_-_conserv_edif_dif_06" = 2 then 1.07
      when "131_-_conserv_edif_dif_06" = 3 then 1
      when "131_-_conserv_edif_dif_06" = 4 then 0.90
      when "131_-_conserv_edif_dif_06" = 5 then 0.80
      else 1
    end as f_cov_06,
    case
      when "129_-_especie_edif_dif_06" = 2 then 1
      when "129_-_especie_edif_dif_06" = 4 then 1.20
      when "129_-_especie_edif_dif_06" = 5 then 1.20
      when "129_-_especie_edif_dif_06" = 7 then 0.70
      else 1
    end as f_tip_06,
    '1' as f_ip_06,
    '1' as f_toi_06,
    case when tipo_edificacao_06 = 'APTO.' and substr (tipologia_06, 0, 2) = 'R' /* apartamento residencial */
  then 1
    when tipo_edificacao_06 = 'APTO.' and substr (tipologia_06, 0, 2) = 'C' /* apartamento residencial */
  then 1.20
    when tipo_edificacao_06 = 'LOJA' then 1.20
    when tipo_edificacao_06 = 'SALA' then 1.20
    when tipo_edificacao_06 = 'BARRACÃO' then 0.30
    when tipo_edificacao_06 = 'GARAGEM' then 0.70
    when tipo_edificacao_06 = 'TERRAÇO' then 0.40
    when tipo_edificacao_06 = 'IGREJA' then 1.20
    when tipo_edificacao_06 = 'GALPÃO' then 0.70
    when tipo_edificacao_06 = 'PORÃO' then 0.70
    else 0.70
    end as ftuv_06
  from
    (
      select
        "999_-_numero_do_cadastro" as num_cad_06,
        "129_-_especie_edif_dif_06" as tipologia_06,
        "130_-_uso_edif_dif_06",
        right ("129_-_especie_edif_dif_06",
        1) as padrao_atual_06,
        case
          when "129_-_especie_edif_dif_06" = 'CSHA' then 'Médio Alto'
          when "129_-_especie_edif_dif_06" = 'CSHM' then 'Médio'
          when "129_-_especie_edif_dif_06" = 'CSHB' then 'Médio Baixo'
          when "129_-_especie_edif_dif_06" = 'CSVA' then 'Médio Alto'
          when "129_-_especie_edif_dif_06" = 'CSVM' then 'Médio'
          when "129_-_especie_edif_dif_06" = 'CSVB' then 'Médio Baixo'
          when "129_-_especie_edif_dif_06" = 'GA' then 'Alto'
          when "129_-_especie_edif_dif_06" = 'GM' then 'Médio'
          when "129_-_especie_edif_dif_06" = 'GB' then 'Médio Baixo'
          when "129_-_especie_edif_dif_06" = 'GP' then 'Baixo'
          when "129_-_especie_edif_dif_06" = 'RHL' then 'Alto'
          when "129_-_especie_edif_dif_06" = 'RHA' then 'Médio Alto'
          when "129_-_especie_edif_dif_06" = 'RHM' then 'Médio'
          when "129_-_especie_edif_dif_06" = 'RHB' then 'Médio Baixo'
          when "129_-_especie_edif_dif_06" = 'RHP' then 'Baixo'
          when "129_-_especie_edif_dif_06" = 'RVL' then 'Alto'
          when "129_-_especie_edif_dif_06" = 'RVA' then 'Médio Alto'
          when "129_-_especie_edif_dif_06" = 'RVM' then 'Médio'
          when "129_-_especie_edif_dif_06" = 'RVB' then 'Médio'
          else 'Médio'
        end as padrao_proposto_06,
        case
          when "129_-_especie_edif_dif_06" = 'CSHA' then 'Único'
          when "129_-_especie_edif_dif_06" = 'CSHM' then 'Único'
          when "129_-_especie_edif_dif_06" = 'CSHB' then 'Único'
          when "129_-_especie_edif_dif_06" = 'CSVA' then 'Condomínio Vertical'

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```

        when "129_-_especie_edif_dif_06" = 'CSVM' then 'Condomínio Vertical'
        when "129_-_especie_edif_dif_06" = 'CSVB' then 'Condomínio Vertical'
        when "129_-_especie_edif_dif_06" = 'GA' then 'Único'
        when "129_-_especie_edif_dif_06" = 'GM' then 'Único'
        when "129_-_especie_edif_dif_06" = 'GB' then 'Único'
        when "129_-_especie_edif_dif_06" = 'GP' then 'Único'
        when "129_-_especie_edif_dif_06" = 'RHL' then 'Único'
        when "129_-_especie_edif_dif_06" = 'RHA' then 'Único'
        when "129_-_especie_edif_dif_06" = 'RHM' then 'Único'
        when "129_-_especie_edif_dif_06" = 'RHB' then 'Único'
        when "129_-_especie_edif_dif_06" = 'RHP' then 'Único'
        when "129_-_especie_edif_dif_06" = 'RVL' then 'Condomínio Vertical'
        when "129_-_especie_edif_dif_06" = 'RVA' then 'Condomínio Vertical'
        when "129_-_especie_edif_dif_06" = 'RVM' then 'Condomínio Vertical'
        when "129_-_especie_edif_dif_06" = 'RVB' then 'Condomínio Vertical'
        else 'Único'
        -- optei po setar como medio
    end as tipo_ocupacao_06,
    "129_-_especie_edif_dif_06"::numeric,
    case
        when "129_-_especie_edif_dif_06"::numeric = 1 then 'CASA'
        when "129_-_especie_edif_dif_06"::numeric = 2 then 'APTO.'
        when "129_-_especie_edif_dif_06"::numeric = 3 then 'BARRACÃO'
        when "129_-_especie_edif_dif_06"::numeric = 4 then 'LOJA'
        when "129_-_especie_edif_dif_06"::numeric = 5 then 'SALA'
        when "129_-_especie_edif_dif_06"::numeric = 6 then 'GALPÃO'
        when "129_-_especie_edif_dif_06"::numeric = 7 then 'GARAGEM'
        when "129_-_especie_edif_dif_06"::numeric = 8 then 'TERRAÇO'
        when "129_-_especie_edif_dif_06"::numeric = 9 then 'PORÃO'
        when "129_-_especie_edif_dif_06"::numeric = 10 then 'IGREJA'
        when "129_-_especie_edif_dif_06"::numeric = 11 then 'GINÁSIO'
        when "129_-_especie_edif_dif_06"::numeric = 12 then 'ESTÁDIO'
        when "129_-_especie_edif_dif_06"::numeric = 13 then 'QUADRA COBERTA'
        when "129_-_especie_edif_dif_06"::numeric = 14 then 'QUADRA DESCOBERTA'
        when "129_-_especie_edif_dif_06"::numeric = 15 then 'PISCINA'
    end as tipo_edificacao_06,
    "131_-_conserv_edif_dif_06"::numeric,
    "133_-_area_edif_dif_06" as area_unidade_06
from
    public.cadastro c )cc
where
    tipo_ocupacao_06 = 'Condomínio Vertical'
    and tipo_edificacao_06 <> 'CASA' ) a06 on
a0."999_-_numero_do_cadastro" = a06.num_cad_06
left join (
    select
        *,
        case
            when padrao_proposto_07 = 'Alto' then 3.0587
            when padrao_proposto_07 = 'Médio Alto' then 1.8649
            when padrao_proposto_07 = 'Médio' then 1.2704
            when padrao_proposto_07 = 'Médio Baixo' then 1.0000
            else 1.2704
        end as f_pcv_07,
        case
            when "137_-_conserv_edif_dif_07" = 1 then 1.09
            when "137_-_conserv_edif_dif_07" = 2 then 1.07
            when "137_-_conserv_edif_dif_07" = 3 then 1
            when "137_-_conserv_edif_dif_07" = 4 then 0.90
            when "137_-_conserv_edif_dif_07" = 5 then 0.80
            else 1
        end as f_cov_07,
        case
            when "135_-_especie_edif_dif_07" = 2 then 1
            when "135_-_especie_edif_dif_07" = 4 then 1.20
            when "135_-_especie_edif_dif_07" = 5 then 1.20
            when "135_-_especie_edif_dif_07" = 7 then 0.70
            else 1
        end as f_tip_07,
        '1' as f_ip_07,
        '1' as f_toi_07,
        case when tipo_edificacao_07 = 'APTO.' and substr (tipologia_07, 0, 2) = 'R' /* apartamento residencial */
then 1
        when tipo_edificacao_07 = 'APTO.' and substr (tipologia_07, 0, 2) = 'C' /* apartamento residencial */
then 1.20
        when tipo_edificacao_07 = 'LOJA' then 1.20
        when tipo_edificacao_07 = 'SALA' then 1.20

```

```

        when tipo_edificacao_07 = 'BARRACÃO' then 0.30
        when tipo_edificacao_07 = 'GARAGEM' then 0.70
        when tipo_edificacao_07 = 'TERRAÇO' then 0.40
        when tipo_edificacao_07 = 'IGREJA' then 1.20
        when tipo_edificacao_07 = 'GALPÃO' then 0.70
        when tipo_edificacao_07 = 'PORÃO' then 0.70
    else 0.70
end as ftuv_07
from
(
select
    "999_-_numero_do_cadastro" as num_cad_07,
    "135_-_especie_edif_dif_07" as tipologia_07,
    "136_-_uso_edif_dif_07",
    right ("135_-_especie_edif_dif_07",
    1) as padrao_atual_07,
    case
        when "135_-_especie_edif_dif_07" = 'CSHA' then 'Médio Alto'
        when "135_-_especie_edif_dif_07" = 'CSHM' then 'Médio'
        when "135_-_especie_edif_dif_07" = 'CSHB' then 'Médio Baixo'
        when "135_-_especie_edif_dif_07" = 'CSVA' then 'Médio Alto'
        when "135_-_especie_edif_dif_07" = 'CSVM' then 'Médio'
        when "135_-_especie_edif_dif_07" = 'CSVB' then 'Médio Baixo'
        when "135_-_especie_edif_dif_07" = 'GA' then 'Alto'
        when "135_-_especie_edif_dif_07" = 'GM' then 'Médio'
        when "135_-_especie_edif_dif_07" = 'GB' then 'Médio Baixo'
        when "135_-_especie_edif_dif_07" = 'GP' then 'Baixo'
        when "135_-_especie_edif_dif_07" = 'RHL' then 'Alto'
        when "135_-_especie_edif_dif_07" = 'RHA' then 'Médio Alto'
        when "135_-_especie_edif_dif_07" = 'RHM' then 'Médio'
        when "135_-_especie_edif_dif_07" = 'RHB' then 'Médio Baixo'
        when "135_-_especie_edif_dif_07" = 'RHP' then 'Baixo'
        when "135_-_especie_edif_dif_07" = 'RVL' then 'Alto'
        when "135_-_especie_edif_dif_07" = 'RVA' then 'Médio Alto'
        when "135_-_especie_edif_dif_07" = 'RVM' then 'Médio'
        when "135_-_especie_edif_dif_07" = 'RVB' then 'Médio'
        else 'Médio'
    end as padrao_proposto_07,
    case
        when "135_-_especie_edif_dif_07" = 'CSHA' then 'Único'
        when "135_-_especie_edif_dif_07" = 'CSHM' then 'Único'
        when "135_-_especie_edif_dif_07" = 'CSHB' then 'Único'
        when "135_-_especie_edif_dif_07" = 'CSVA' then 'Condomínio Vertical'
        when "135_-_especie_edif_dif_07" = 'CSVM' then 'Condomínio Vertical'
        when "135_-_especie_edif_dif_07" = 'CSVB' then 'Condomínio Vertical'
        when "135_-_especie_edif_dif_07" = 'GA' then 'Único'
        when "135_-_especie_edif_dif_07" = 'GM' then 'Único'
        when "135_-_especie_edif_dif_07" = 'GB' then 'Único'
        when "135_-_especie_edif_dif_07" = 'GP' then 'Único'
        when "135_-_especie_edif_dif_07" = 'RHL' then 'Único'
        when "135_-_especie_edif_dif_07" = 'RHA' then 'Único'
        when "135_-_especie_edif_dif_07" = 'RHM' then 'Único'
        when "135_-_especie_edif_dif_07" = 'RHB' then 'Único'
        when "135_-_especie_edif_dif_07" = 'RHP' then 'Único'
        when "135_-_especie_edif_dif_07" = 'RVL' then 'Condomínio Vertical'
        when "135_-_especie_edif_dif_07" = 'RVA' then 'Condomínio Vertical'
        when "135_-_especie_edif_dif_07" = 'RVM' then 'Condomínio Vertical'
        when "135_-_especie_edif_dif_07" = 'RVB' then 'Condomínio Vertical'
        else 'Único'
    end as tipo_ocupacao_07,
    "135_-_especie_edif_dif_07"::numeric,
    case
        when "135_-_especie_edif_dif_07"::numeric = 1 then 'CASA'
        when "135_-_especie_edif_dif_07"::numeric = 2 then 'APTO.'
        when "135_-_especie_edif_dif_07"::numeric = 3 then 'BARRACÃO'
        when "135_-_especie_edif_dif_07"::numeric = 4 then 'LOJA'
        when "135_-_especie_edif_dif_07"::numeric = 5 then 'SALA'
        when "135_-_especie_edif_dif_07"::numeric = 6 then 'GALPÃO'
        when "135_-_especie_edif_dif_07"::numeric = 7 then 'GARAGEM'
        when "135_-_especie_edif_dif_07"::numeric = 8 then 'TERRAÇO'
        when "135_-_especie_edif_dif_07"::numeric = 9 then 'PORÃO'
        when "135_-_especie_edif_dif_07"::numeric = 10 then 'IGREJA'
        when "135_-_especie_edif_dif_07"::numeric = 11 then 'GINÁSIO'
        when "135_-_especie_edif_dif_07"::numeric = 12 then 'ESTÁDIO'
        when "135_-_especie_edif_dif_07"::numeric = 13 then 'QUADRA COBERTA'
        when "135_-_especie_edif_dif_07"::numeric = 14 then 'QUADRA DESCOBERTA'
    end

```

```

        when "135_-_especie_edif_dif_07"::numeric = 15 then 'PISCINA'
    end as tipo_edificacao_07,
    "137_-_conserv_edif_dif_07"::numeric,
    "139_-_area_edif_dif_07" as area_unidade_07
from
    public.cadastro c )cc
where
    tipo_ocupacao_07 = 'Condominio Vertical'
    and tipo_edificacao_07 <> 'CASA' ) a07 on
a07."999_-_numero_do_cadastro" = a07.num_cad_07
left join (
    select
        *,
        case
            when padrao_proposto_08 = 'Alto' then 3.0587
            when padrao_proposto_08 = 'Médio Alto' then 1.8649
            when padrao_proposto_08 = 'Médio' then 1.2704
            when padrao_proposto_08 = 'Médio Baixo' then 1.0000
            else 1.2704
        end as f_pcv_08,
        case
            when "143_-_conserv_edif_dif_08" = 1 then 1.09
            when "143_-_conserv_edif_dif_08" = 2 then 1.07
            when "143_-_conserv_edif_dif_08" = 3 then 1
            when "143_-_conserv_edif_dif_08" = 4 then 0.90
            when "143_-_conserv_edif_dif_08" = 5 then 0.80
            else 1
        end as f_cov_08,
        case
            when "141_-_especie_edif_dif_08" = 2 then 1
            when "141_-_especie_edif_dif_08" = 4 then 1.20
            when "141_-_especie_edif_dif_08" = 5 then 1.20
            when "141_-_especie_edif_dif_08" = 7 then 0.70
            else 1
        end as f_tip_08,
        '1' as f_ip_08,
        '1' as f_toi_08,
        case when tipo_edificacao_08 = 'APTO.' and substr (tipologia_08, 0, 2) = 'R' /* apartamento residencial */
then 1
        when tipo_edificacao_08 = 'APTO.' and substr (tipologia_08, 0, 2) = 'C' /* apartamento residencial */
then 1.20
        when tipo_edificacao_08 = 'LOJA' then 1.20
        when tipo_edificacao_08 = 'SALA' then 1.20
        when tipo_edificacao_08 = 'BARRACÃO' then 0.30
        when tipo_edificacao_08 = 'GARAGEM' then 0.70
        when tipo_edificacao_08 = 'TERRAÇO' then 0.40
        when tipo_edificacao_08 = 'IGREJA' then 1.20
        when tipo_edificacao_08 = 'GALPÃO' then 0.70
        when tipo_edificacao_08 = 'PORÃO' then 0.70
        else 0.70
    end as ftuv_08
from
    (
    select
        "999_-_numero_do_cadastro" as num_cad_08,
        "141_-_especie_edif_dif_08" as tipologia_08,
        "142_-_uso_edif_dif_08",
        right ("141_-_especie_edif_dif_08",
        1) as padrao_atual_08,
        case
            when "141_-_especie_edif_dif_08" = 'CSHA' then 'Médio Alto'
            when "141_-_especie_edif_dif_08" = 'CSHM' then 'Médio'
            when "141_-_especie_edif_dif_08" = 'CSHB' then 'Médio Baixo'
            when "141_-_especie_edif_dif_08" = 'CSVA' then 'Médio Alto'
            when "141_-_especie_edif_dif_08" = 'CSVM' then 'Médio'
            when "141_-_especie_edif_dif_08" = 'CSVB' then 'Médio Baixo'
            when "141_-_especie_edif_dif_08" = 'GA' then 'Alto'
            when "141_-_especie_edif_dif_08" = 'GM' then 'Médio'
            when "141_-_especie_edif_dif_08" = 'GB' then 'Médio Baixo'
            when "141_-_especie_edif_dif_08" = 'GP' then 'Baixo'
            when "141_-_especie_edif_dif_08" = 'RHL' then 'Alto'
            when "141_-_especie_edif_dif_08" = 'RHA' then 'Médio Alto'
            when "141_-_especie_edif_dif_08" = 'RHM' then 'Médio'
            when "141_-_especie_edif_dif_08" = 'RHB' then 'Médio Baixo'
            when "141_-_especie_edif_dif_08" = 'RHP' then 'Baixo'
            when "141_-_especie_edif_dif_08" = 'RVL' then 'Alto'
            when "141_-_especie_edif_dif_08" = 'RVA' then 'Médio Alto'

```



```

end as f_tip_09,
'1' as f_ip_09,
'1' as f_toi_09,
case when tipo_edificacao_09 = 'APTO.' and substr (tipologia_09, 0, 2) = 'R' /* apartamento residencial */
then 1
when tipo_edificacao_09 = 'APTO.' and substr (tipologia_09, 0, 2) = 'C' /* apartamento residencial */
then 1.20
when tipo_edificacao_09 = 'LOJA' then 1.20
when tipo_edificacao_09 = 'SALA' then 1.20
when tipo_edificacao_09 = 'BARRACÃO' then 0.30
when tipo_edificacao_09 = 'GARAGEM' then 0.70
when tipo_edificacao_09 = 'TERRAÇO' then 0.40
when tipo_edificacao_09 = 'IGREJA' then 1.20
when tipo_edificacao_09 = 'GALPÃO' then 0.70
when tipo_edificacao_09 = 'PORÃO' then 0.70
else 0.70
end as ftuv_09
from
(
select
"999_-_numero_do_cadastro" as num_cad_09,
"147_-_especie_edif_dif_09" as tipologia_09,
"148_-_uso_edif_dif_09",
right ("147_-_especie_edif_dif_09",
1) as padrao_atual_09,
case
when "147_-_especie_edif_dif_09" = 'CSHA' then 'Médio Alto'
when "147_-_especie_edif_dif_09" = 'CSHM' then 'Médio'
when "147_-_especie_edif_dif_09" = 'CSHB' then 'Médio Baixo'
when "147_-_especie_edif_dif_09" = 'CSVA' then 'Médio Alto'
when "147_-_especie_edif_dif_09" = 'CSVM' then 'Médio'
when "147_-_especie_edif_dif_09" = 'CSVB' then 'Médio Baixo'
when "147_-_especie_edif_dif_09" = 'GA' then 'Alto'
when "147_-_especie_edif_dif_09" = 'GM' then 'Médio'
when "147_-_especie_edif_dif_09" = 'GB' then 'Médio Baixo'
when "147_-_especie_edif_dif_09" = 'GP' then 'Baixo'
when "147_-_especie_edif_dif_09" = 'RHL' then 'Alto'
when "147_-_especie_edif_dif_09" = 'RHA' then 'Médio Alto'
when "147_-_especie_edif_dif_09" = 'RHM' then 'Médio'
when "147_-_especie_edif_dif_09" = 'RHB' then 'Médio Baixo'
when "147_-_especie_edif_dif_09" = 'RHP' then 'Baixo'
when "147_-_especie_edif_dif_09" = 'RVL' then 'Alto'
when "147_-_especie_edif_dif_09" = 'RVA' then 'Médio Alto'
when "147_-_especie_edif_dif_09" = 'RVM' then 'Médio'
when "147_-_especie_edif_dif_09" = 'RVB' then 'Médio'
else 'Médio'
end as padrao_proposto_09,
case
when "147_-_especie_edif_dif_09" = 'CSHA' then 'Único'
when "147_-_especie_edif_dif_09" = 'CSHM' then 'Único'
when "147_-_especie_edif_dif_09" = 'CSHB' then 'Único'
when "147_-_especie_edif_dif_09" = 'CSVA' then 'Condomínio Vertical'
when "147_-_especie_edif_dif_09" = 'CSVM' then 'Condomínio Vertical'
when "147_-_especie_edif_dif_09" = 'CSVB' then 'Condomínio Vertical'
when "147_-_especie_edif_dif_09" = 'GA' then 'Único'
when "147_-_especie_edif_dif_09" = 'GM' then 'Único'
when "147_-_especie_edif_dif_09" = 'GB' then 'Único'
when "147_-_especie_edif_dif_09" = 'GP' then 'Único'
when "147_-_especie_edif_dif_09" = 'RHL' then 'Único'
when "147_-_especie_edif_dif_09" = 'RHA' then 'Único'
when "147_-_especie_edif_dif_09" = 'RHM' then 'Único'
when "147_-_especie_edif_dif_09" = 'RHB' then 'Único'
when "147_-_especie_edif_dif_09" = 'RHP' then 'Único'
when "147_-_especie_edif_dif_09" = 'RVL' then 'Condomínio Vertical'
when "147_-_especie_edif_dif_09" = 'RVA' then 'Condomínio Vertical'
when "147_-_especie_edif_dif_09" = 'RVM' then 'Condomínio Vertical'
when "147_-_especie_edif_dif_09" = 'RVB' then 'Condomínio Vertical'
else 'Único'
-- optei po setar como medio
end as tipo_ocupacao_09,
"147_-_especie_edif_dif_09"::numeric,
case
when "147_-_especie_edif_dif_09"::numeric = 1 then 'CASA'
when "147_-_especie_edif_dif_09"::numeric = 2 then 'APTO.'
when "147_-_especie_edif_dif_09"::numeric = 3 then 'BARRACÃO'
when "147_-_especie_edif_dif_09"::numeric = 4 then 'LOJA'
when "147_-_especie_edif_dif_09"::numeric = 5 then 'SALA'

```

```

        when "147_-_especie_edif_dif_09"::numeric = 6 then 'GALPÃO'
        when "147_-_especie_edif_dif_09"::numeric = 7 then 'GARAGEM'
        when "147_-_especie_edif_dif_09"::numeric = 8 then 'TERRAÇO'
        when "147_-_especie_edif_dif_09"::numeric = 9 then 'PORÃO'
        when "147_-_especie_edif_dif_09"::numeric = 10 then 'IGREJA'
        when "147_-_especie_edif_dif_09"::numeric = 11 then 'GINÁSIO'
        when "147_-_especie_edif_dif_09"::numeric = 12 then 'ESTÁDIO'
        when "147_-_especie_edif_dif_09"::numeric = 13 then 'QUADRA COBERTA'
        when "147_-_especie_edif_dif_09"::numeric = 14 then 'QUADRA DESCOBERTA'
        when "147_-_especie_edif_dif_09"::numeric = 15 then 'PISCINA'
    end as tipo_edificacao_09,
    "149_-_conserv_edif_dif_09"::numeric,
    "151_-_area_edif_dif_09" as area_unidade_09
from
    public.cadastro c )cc
where
    tipo_ocupacao_09 = 'Condomínio Vertical'
    and tipo_edificacao_09 <> 'CASA' ) a09 on
a0."999_-_numero_do_cadastro" = a09.num_cad_09
left join (
    select
        *,
        case
            when padrao_proposto_10 = 'Alto' then 3.0587
            when padrao_proposto_10 = 'Médio Alto' then 1.8649
            when padrao_proposto_10 = 'Médio' then 1.2704
            when padrao_proposto_10 = 'Médio Baixo' then 1.0000
            else 1.2704
        end as f_pcv_10,
        case
            when "155_-_conserv_edif_dif_10" = 1 then 1.09
            when "155_-_conserv_edif_dif_10" = 2 then 1.07
            when "155_-_conserv_edif_dif_10" = 3 then 1
            when "155_-_conserv_edif_dif_10" = 4 then 0.90
            when "155_-_conserv_edif_dif_10" = 5 then 0.80
            else 1
        end as f_cov_10,
        case
            when "153_-_especie_edif_dif_10" = 2 then 1
            when "153_-_especie_edif_dif_10" = 4 then 1.20
            when "153_-_especie_edif_dif_10" = 5 then 1.20
            when "153_-_especie_edif_dif_10" = 7 then 0.70
            else 1
        end as f_tip_10,
        '1' as f_ip_10,
        '1' as f_toi_10,
        case when tipo_edificacao_10 = 'APTO.' and substr (tipologia_10, 0, 2) = 'R' /* apartamento residencial */
then 1
            when tipo_edificacao_10 = 'APTO.' and substr (tipologia_10, 0, 2) = 'C' /* apartamento residencial */
then 1.20
            when tipo_edificacao_10 = 'LOJA' then 1.20
            when tipo_edificacao_10 = 'SALA' then 1.20
            when tipo_edificacao_10 = 'BARRACÃO' then 0.30
            when tipo_edificacao_10 = 'GARAGEM' then 0.70
            when tipo_edificacao_10 = 'TERRAÇO' then 0.40
            when tipo_edificacao_10 = 'IGREJA' then 1.20
            when tipo_edificacao_10 = 'GALPÃO' then 0.70
            when tipo_edificacao_10 = 'PORÃO' then 0.70
        else 0.70
        end as ftuv_10
from
    (
        select
            "999_-_numero_do_cadastro" as num_cad_10,
            "153_-_especie_edif_dif_10" as tipologia_10,
            "154_-_uso_edif_dif_10",
            right ("153_-_especie_edif_dif_10",
            1) as padrao_atual_10,
            case
                when "153_-_especie_edif_dif_10" = 'CSHA' then 'Médio Alto'
                when "153_-_especie_edif_dif_10" = 'CSHM' then 'Médio'
                when "153_-_especie_edif_dif_10" = 'CSHB' then 'Médio Baixo'
                when "153_-_especie_edif_dif_10" = 'CSVA' then 'Médio Alto'
                when "153_-_especie_edif_dif_10" = 'CSVM' then 'Médio'
                when "153_-_especie_edif_dif_10" = 'CSVB' then 'Médio Baixo'
                when "153_-_especie_edif_dif_10" = 'GA' then 'Alto'
                when "153_-_especie_edif_dif_10" = 'GM' then 'Médio'

```

```

        when "153_-_especie_edif_dif_10" = 'GB' then 'Médio Baixo'
        when "153_-_especie_edif_dif_10" = 'GP' then 'Baixo'
        when "153_-_especie_edif_dif_10" = 'RHL' then 'Alto'
        when "153_-_especie_edif_dif_10" = 'RHA' then 'Médio Alto'
        when "153_-_especie_edif_dif_10" = 'RHM' then 'Médio'
        when "153_-_especie_edif_dif_10" = 'RHB' then 'Médio Baixo'
        when "153_-_especie_edif_dif_10" = 'RHP' then 'Baixo'
        when "153_-_especie_edif_dif_10" = 'RVL' then 'Alto'
        when "153_-_especie_edif_dif_10" = 'RVA' then 'Médio Alto'
        when "153_-_especie_edif_dif_10" = 'RVM' then 'Médio'
        when "153_-_especie_edif_dif_10" = 'RVB' then 'Médio'
        else 'Médio'
    end as padrao_proposto_10,
    case
        when "153_-_especie_edif_dif_10" = 'CSHA' then 'Único'
        when "153_-_especie_edif_dif_10" = 'CSHM' then 'Único'
        when "153_-_especie_edif_dif_10" = 'CSHB' then 'Único'
        when "153_-_especie_edif_dif_10" = 'CSVA' then 'Condomínio Vertical'
        when "153_-_especie_edif_dif_10" = 'CSVM' then 'Condomínio Vertical'
        when "153_-_especie_edif_dif_10" = 'CSVB' then 'Condomínio Vertical'
        when "153_-_especie_edif_dif_10" = 'GA' then 'Único'
        when "153_-_especie_edif_dif_10" = 'GM' then 'Único'
        when "153_-_especie_edif_dif_10" = 'GB' then 'Único'
        when "153_-_especie_edif_dif_10" = 'GP' then 'Único'
        when "153_-_especie_edif_dif_10" = 'RHL' then 'Único'
        when "153_-_especie_edif_dif_10" = 'RHA' then 'Único'
        when "153_-_especie_edif_dif_10" = 'RHM' then 'Único'
        when "153_-_especie_edif_dif_10" = 'RHB' then 'Único'
        when "153_-_especie_edif_dif_10" = 'RHP' then 'Único'
        when "153_-_especie_edif_dif_10" = 'RVL' then 'Condomínio Vertical'
        when "153_-_especie_edif_dif_10" = 'RVA' then 'Condomínio Vertical'
        when "153_-_especie_edif_dif_10" = 'RVM' then 'Condomínio Vertical'
        when "153_-_especie_edif_dif_10" = 'RVB' then 'Condomínio Vertical'
        else 'Único'
    -- optei po setar como medio
    end as tipo_ocupacao_10,
    "153_-_especie_edif_dif_10"::numeric,
    case
        when "153_-_especie_edif_dif_10"::numeric = 1 then 'CASA'
        when "153_-_especie_edif_dif_10"::numeric = 2 then 'APTO.'
        when "153_-_especie_edif_dif_10"::numeric = 3 then 'BARRACÃO'
        when "153_-_especie_edif_dif_10"::numeric = 4 then 'LOJA'
        when "153_-_especie_edif_dif_10"::numeric = 5 then 'SALA'
        when "153_-_especie_edif_dif_10"::numeric = 6 then 'GALPÃO'
        when "153_-_especie_edif_dif_10"::numeric = 7 then 'GARAGEM'
        when "153_-_especie_edif_dif_10"::numeric = 8 then 'TERRAÇO'
        when "153_-_especie_edif_dif_10"::numeric = 9 then 'PORÃO'
        when "153_-_especie_edif_dif_10"::numeric = 10 then 'IGREJA'
        when "153_-_especie_edif_dif_10"::numeric = 11 then 'GINÁSIO'
        when "153_-_especie_edif_dif_10"::numeric = 12 then 'ESTÁDIO'
        when "153_-_especie_edif_dif_10"::numeric = 13 then 'QUADRA COBERTA'
        when "153_-_especie_edif_dif_10"::numeric = 14 then 'QUADRA DESCOBERTA'
        when "153_-_especie_edif_dif_10"::numeric = 15 then 'PISCINA'
    end as tipo_edificacao_10,
    "155_-_conserv_edif_dif_10"::numeric,
    "157_-_area_edif_dif_10" as area_unidade_10
from
    public.cadastro c )cc
where
    tipo_ocupacao_10 = 'Condomínio Vertical'
    and tipo_edificacao_10 <> 'CASA' ) a10 on
a0."999_-_numero_do_cadastro" = a10.num_cad_10 ) verticais

left join

(-- LISTA DE AMOSTRAS DO MERCADO COM NUMERO TOTAL DE PAVVIMENTOS, PARA SER APROVEITADO COMO DADO CADASTRAL PARA
CALCULO DE VVC

select distinct on (inscri_correta) t.*
from tmp_total_pav_anuncios_lote t
order by inscri_correta, total_pav desc

) pavs

on substr(verticais."999_-_numero_do_cadastro", 0, 13) = pavs.inscri_correta

left join

```

```
(select "999_-_numero_do_cadastro", vmq from cadastro) vmq
on verticais."999_-_numero_do_cadastro" = vmq."999_-_numero_do_cadastro"
```

```
----- VARIABEIS
UNICOS-----
-----
```

```
drop view variaveis_unicos;
```

```
create view variaveis_unicos
```

```
as
```

```
-- Vc = Acb x Cr x Fpc x Fco
```

```
select *,
```

```
area_unidade::numeric * 1218.52 * f_pcv_0 * f_co_0 as vc_0,
area_unidade_01::numeric * 1218.52 * f_pcv_01 * f_co_01 as vc_01,
area_unidade_02::numeric * 1218.52 * f_pcv_02 * f_co_02 as vc_02,
area_unidade_03::numeric * 1218.52 * f_pcv_03 * f_co_03 as vc_03,
area_unidade_04::numeric * 1218.52 * f_pcv_04 * f_co_04 as vc_04,
area_unidade_05::numeric * 1218.52 * f_pcv_05 * f_co_05 as vc_05,
area_unidade_06::numeric * 1218.52 * f_pcv_06 * f_co_06 as vc_06,
area_unidade_07::numeric * 1218.52 * f_pcv_07 * f_co_07 as vc_07,
area_unidade_08::numeric * 1218.52 * f_pcv_08 * f_co_08 as vc_08,
area_unidade_09::numeric * 1218.52 * f_pcv_09 * f_co_09 as vc_09,
area_unidade_10::numeric * 1218.52 * f_pcv_10 * f_co_10 as vc_10,
```

```
coalesce((area_unidade::numeric * 1218.52 * f_pcv_0 * f_co_0),0) +
coalesce((area_unidade_01::numeric * 1218.52 * f_pcv_01 * f_co_01),0) +
coalesce((area_unidade_02::numeric * 1218.52 * f_pcv_02 * f_co_02),0) +
coalesce((area_unidade_03::numeric * 1218.52 * f_pcv_03 * f_co_03),0) +
```

```

coalesce((area_unidade_04::numeric * 1218.52 * f_pcv_04 * f_co_04),0) +
coalesce((area_unidade_05::numeric * 1218.52 * f_pcv_05 * f_co_05),0) +
coalesce((area_unidade_06::numeric * 1218.52 * f_pcv_06 * f_co_06),0) +
coalesce((area_unidade_07::numeric * 1218.52 * f_pcv_07 * f_co_07),0) +
coalesce((area_unidade_08::numeric * 1218.52 * f_pcv_08 * f_co_08),0) +
coalesce((area_unidade_09::numeric * 1218.52 * f_pcv_09 * f_co_09),0) +
coalesce((area_unidade_10::numeric * 1218.52 * f_pcv_10 * f_co_10),0) as vc_total

```

```

from (
select *,

```

```

    case
      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'CASA' then 1.5173
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'CASA' then 1.3596
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'CASA' then 0.8969
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'CASA' then 0.6766
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'CASA' then 0.5854

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'APTO.' then 1.5173
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'APTO.' then 1.3596
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'APTO.' then 0.8969
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'APTO.' then 0.6766
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'APTO.' then 0.5854

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'BARRACÃO' then 0.4580
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'BARRACÃO' then 0.4090
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'BARRACÃO' then 0.3135
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'BARRACÃO' then 0.1910
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'BARRACÃO' then 0.0840

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'LOJA' then 1.5173
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'LOJA' then 1.3596
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'LOJA' then 0.8969
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'LOJA' then 0.6766
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'LOJA' then 0.5854

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'SALA' then 1.5173
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'SALA' then 1.3596
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'SALA' then 0.8969
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'SALA' then 0.6766
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'SALA' then 0.5854

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'GALPÃO' then 0.9160
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'GALPÃO' then 0.8179
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'GALPÃO' then 0.6270
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'GALPÃO' then 0.3817
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'GALPÃO' then 0.0840

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'GARAGEM' then 0.9160
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'GARAGEM' then 0.8179
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'GARAGEM' then 0.6270
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'GARAGEM' then 0.3817
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'GARAGEM' then 0.0840

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'TERRAÇO' then 0.9160
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'TERRAÇO' then 0.8179
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'TERRAÇO' then 0.6270
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'TERRAÇO' then 0.3817
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'TERRAÇO' then 0.0840

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'PORÃO' then 0.9160
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'PORÃO' then 0.8179
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'PORÃO' then 0.6270
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'PORÃO' then 0.3817
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'PORÃO' then 0.0840

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'IGREJA' then 0.9160
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'IGREJA' then 0.8179
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'IGREJA' then 0.6270
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'IGREJA' then 0.3817
      when padrao_proposto = 'Baixo' and tipo_edificacao_0 = 'IGREJA' then 0.0840

      when padrao_proposto = 'Alto' and tipo_edificacao_0 = 'GINÁSIO' then 0.9160
      when padrao_proposto = 'Médio Alto' and tipo_edificacao_0 = 'GINÁSIO' then 0.8179
      when padrao_proposto = 'Médio' and tipo_edificacao_0 = 'GINÁSIO' then 0.6270
      when padrao_proposto = 'Médio Baixo' and tipo_edificacao_0 = 'GINÁSIO' then 0.3817

```

```

        when padrao_proposto = 'Baixo'                and tipo_edificacao_0 = 'GINÁSIO' then 0.0840

        when padrao_proposto = 'Alto'                 and tipo_edificacao_0 = 'ESTÁDIO' then 1.0993
        when padrao_proposto = 'Médio Alto'           and tipo_edificacao_0 = 'ESTÁDIO' then 0.9815
        when padrao_proposto = 'Médio'               and tipo_edificacao_0 = 'ESTÁDIO' then 0.7524
        when padrao_proposto = 'Médio Baixo'          and tipo_edificacao_0 = 'ESTÁDIO' then 0.4580
        when padrao_proposto = 'Baixo'               and tipo_edificacao_0 = 'ESTÁDIO' then 0.0840

        when padrao_proposto = 'Alto'                 and tipo_edificacao_0 = 'QUADRA COBERTA' then 0.9160
        when padrao_proposto = 'Médio Alto'           and tipo_edificacao_0 = 'QUADRA COBERTA' then 0.8179
        when padrao_proposto = 'Médio'               and tipo_edificacao_0 = 'QUADRA COBERTA' then 0.6270
        when padrao_proposto = 'Médio Baixo'          and tipo_edificacao_0 = 'QUADRA COBERTA' then 0.3817
        when padrao_proposto = 'Baixo'               and tipo_edificacao_0 = 'QUADRA COBERTA' then 0.0840

        when padrao_proposto = 'Alto'                 and tipo_edificacao_0 = 'QUADRA DESCOBERTA' then 0.4580
        when padrao_proposto = 'Médio Alto'           and tipo_edificacao_0 = 'QUADRA DESCOBERTA' then 0.4090
        when padrao_proposto = 'Médio'               and tipo_edificacao_0 = 'QUADRA DESCOBERTA' then 0.3135
        when padrao_proposto = 'Médio Baixo'          and tipo_edificacao_0 = 'QUADRA DESCOBERTA' then 0.1910
        when padrao_proposto = 'Baixo'               and tipo_edificacao_0 = 'QUADRA DESCOBERTA' then 0.0840

        when padrao_proposto = 'Alto'                 and tipo_edificacao_0 = 'PISCINA' then 0.9160
        when padrao_proposto = 'Médio Alto'           and tipo_edificacao_0 = 'PISCINA' then 0.8179
        when padrao_proposto = 'Médio'               and tipo_edificacao_0 = 'PISCINA' then 0.6270
        when padrao_proposto = 'Médio Baixo'          and tipo_edificacao_0 = 'PISCINA' then 0.3817
        when padrao_proposto = 'Baixo'               and tipo_edificacao_0 = 'PISCINA' then 0.0840

    end as f_pcv_0,

case when "77_-_conservacao_edif_" = 1 then 1.00
when "77_-_conservacao_edif_" = 2 then 0.98
when "77_-_conservacao_edif_" = 3 then 0.90
when "77_-_conservacao_edif_" = 4 then 0.80
when "77_-_conservacao_edif_" = 5 then 0.65
else 0.90
end as f_co_0,

case when "74_-_especie_edificacao" = 2 then 1
when "74_-_especie_edificacao" = 4 then 1.20
when "74_-_especie_edificacao" = 5 then 1.20
when "74_-_especie_edificacao" = 7 then 0.70

else 1
end as f_tip_0,

'1' as f_ip_0,
'1' as f_toi_0

from (

select
    "999_-_numero_do_cadastro",
    "79_-_tipologia_edif_" as tipologia_0,
    "75_-_uso_edificacao",
    right ("79_-_tipologia_edif_", 1) as padrao_atual_0,

case when "79_-_tipologia_edif_" = 'CSHA' then      'Médio Alto'
when "79_-_tipologia_edif_" = 'CSHM' then          'Médio'
when "79_-_tipologia_edif_" = 'CSHB' then          'Médio Baixo'
when "79_-_tipologia_edif_" = 'CSVA' then          'Médio Alto'
when "79_-_tipologia_edif_" = 'CSVM' then          'Médio'
when "79_-_tipologia_edif_" = 'CSVB' then          'Médio Baixo'
when "79_-_tipologia_edif_" = 'GA' then            'Alto'
when "79_-_tipologia_edif_" = 'GM' then            'Médio'
when "79_-_tipologia_edif_" = 'GB' then            'Médio Baixo'
when "79_-_tipologia_edif_" = 'GP' then            'Baixo'
when "79_-_tipologia_edif_" = 'RHL' then           'Alto'
when "79_-_tipologia_edif_" = 'RHA' then           'Médio Alto'
when "79_-_tipologia_edif_" = 'RHM' then           'Médio'
when "79_-_tipologia_edif_" = 'RHB' then           'Médio Baixo'
when "79_-_tipologia_edif_" = 'RHP' then           'Baixo'
when "79_-_tipologia_edif_" = 'RVL' then           'Alto'
when "79_-_tipologia_edif_" = 'RVA' then           'Médio Alto'
when "79_-_tipologia_edif_" = 'RVM' then           'Médio'
when "79_-_tipologia_edif_" = 'RVB' then           'Médio'
else 'Médio'
-- optei po setar como medio

```

```
end as padrao_proposto,
```

```
case when "79_-_tipologia_edif_" = 'CSHA' then      'Único'
when "79_-_tipologia_edif_" = 'CSHM' then          'Único'
when "79_-_tipologia_edif_" = 'CSHB' then          'Único'
when "79_-_tipologia_edif_" = 'CSVA' then          'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'CSVM' then          'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'CSVB' then          'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'GA' then            'Único'
when "79_-_tipologia_edif_" = 'GM' then            'Único'
when "79_-_tipologia_edif_" = 'GB' then            'Único'
when "79_-_tipologia_edif_" = 'GP' then            'Único'
when "79_-_tipologia_edif_" = 'RHL' then           'Único'
when "79_-_tipologia_edif_" = 'RHA' then           'Único'
when "79_-_tipologia_edif_" = 'RHM' then           'Único'
when "79_-_tipologia_edif_" = 'RHB' then           'Único'
when "79_-_tipologia_edif_" = 'RHP' then           'Único'
when "79_-_tipologia_edif_" = 'RVL' then           'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVA' then           'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVM' then           'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVB' then           'Condomínio Vertical'
```

```
else 'Único' -- optei po setar como medio
end as tipo_ocupacao_0,
"74_-_especie_edificacao":::numeric,
```

```
case when "74_-_especie_edificacao":::numeric = 1 then 'CASA'
when "74_-_especie_edificacao":::numeric = 2 then 'APTO.'
  when "74_-_especie_edificacao":::numeric = 3 then 'BARRACÃO'
  when "74_-_especie_edificacao":::numeric = 4 then 'LOJA'
  when "74_-_especie_edificacao":::numeric = 5 then 'SALA'
  when "74_-_especie_edificacao":::numeric = 6 then 'GALPÃO'
  when "74_-_especie_edificacao":::numeric = 7 then 'GARAGEM'
  when "74_-_especie_edificacao":::numeric = 8 then 'TERRAÇO'
  when "74_-_especie_edificacao":::numeric = 9 then 'PORÃO'
  when "74_-_especie_edificacao":::numeric = 10 then 'IGREJA'
  when "74_-_especie_edificacao":::numeric = 11 then 'GINÁSIO'
  when "74_-_especie_edificacao":::numeric = 12 then 'ESTÁDIO'
  when "74_-_especie_edificacao":::numeric = 13 then 'QUADRA COBERTA'
  when "74_-_especie_edificacao":::numeric = 14 then 'QUADRA DESCOBERTA'
  when "74_-_especie_edificacao":::numeric = 15 then 'PISCINA'
end as tipo_edificacao_0,
```

```
"77_-_conservacao_edif_":::numeric,
"81_-_area_unidade" as area_unidade,
case when "64_-_edif_diferenciadas?" = '1' then 'Sim'
when "64_-_edif_diferenciadas?" = '2' then 'Não'
else 'Não'
end as tem_diferenciadas
```

```
from
  public.cadastro c
)cc where tipo_ocupacao_0 = 'Único' or tipo_edificacao_0 = 'CASA'
```

```
) a0
```

```
----- diferenciada 1
```

```
left join
```

```
(
select *,
      case
        when padrao_proposto_01 = 'Alto' and tipo_edificacao_01 = 'CASA' then 1.5173
        when padrao_proposto_01 = 'Médio Alto' and tipo_edificacao_01 = 'CASA' then 1.3596
        when padrao_proposto_01 = 'Médio' and tipo_edificacao_01 = 'CASA' then 0.8969
        when padrao_proposto_01 = 'Médio Baixo' and tipo_edificacao_01 = 'CASA' then 0.6766
        when padrao_proposto_01 = 'Baixo' and tipo_edificacao_01 = 'CASA' then 0.5854

        when padrao_proposto_01 = 'Alto' and tipo_edificacao_01 = 'APTO.' then 1.5173
        when padrao_proposto_01 = 'Médio Alto' and tipo_edificacao_01 = 'APTO.' then 1.3596
        when padrao_proposto_01 = 'Médio' and tipo_edificacao_01 = 'APTO.' then 0.8969
```

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```

        when padrao_proposto_01 = 'Médio'
        when padrao_proposto_01 = 'Médio Baixo'
        when padrao_proposto_01 = 'Baixo'

        and tipo_edificacao_01 = 'PISCINA' then 0.6270
        and tipo_edificacao_01 = 'PISCINA' then 0.3817
        and tipo_edificacao_01 = 'PISCINA' then 0.0840

    end as f_pcv_01,

    case when "101_-_conserv_efif_dif_01" = 1 then 1.00
    when "101_-_conserv_efif_dif_01" = 2 then 0.98
    when "101_-_conserv_efif_dif_01" = 3 then 0.90
    when "101_-_conserv_efif_dif_01" = 4 then 0.80
    when "101_-_conserv_efif_dif_01" = 5 then 0.65
    else 1
    end as f_co_01,

    case when "99_-_especie_edif_dif_01" = 2 then 1
    when "99_-_especie_edif_dif_01" = 4 then 1.20
    when "99_-_especie_edif_dif_01" = 5 then 1.20
    when "99_-_especie_edif_dif_01" = 7 then 0.70

    else 1
    end as f_tip_01,

    '1' as f_ip_01,
    '1' as f_toi_01

from (

select
    "999_-_numero_do_cadastro" as num_cad_01,
    "102_-_tipolog_edif_dif_01" as tipologia_01,
    "100_-_uso_edif_dif_01",
    right ("102_-_tipolog_edif_dif_01", 1) as padrao_atual_01,

    case when "102_-_tipolog_edif_dif_01" = 'CSHA' then
    when "102_-_tipolog_edif_dif_01" = 'CSHM' then
    when "102_-_tipolog_edif_dif_01" = 'CSHB' then
    when "102_-_tipolog_edif_dif_01" = 'CSVA' then
    when "102_-_tipolog_edif_dif_01" = 'CSVM' then
    when "102_-_tipolog_edif_dif_01" = 'CSVB' then
    when "102_-_tipolog_edif_dif_01" = 'GA' then
    when "102_-_tipolog_edif_dif_01" = 'GM' then
    when "102_-_tipolog_edif_dif_01" = 'GB' then
    when "102_-_tipolog_edif_dif_01" = 'GP' then
    when "102_-_tipolog_edif_dif_01" = 'RHL' then
    when "102_-_tipolog_edif_dif_01" = 'RHA' then
    when "102_-_tipolog_edif_dif_01" = 'RHM' then
    when "102_-_tipolog_edif_dif_01" = 'RHB' then
    when "102_-_tipolog_edif_dif_01" = 'RHP' then
    when "102_-_tipolog_edif_dif_01" = 'RVL' then
    when "102_-_tipolog_edif_dif_01" = 'RVA' then
    when "102_-_tipolog_edif_dif_01" = 'RVM' then
    when "102_-_tipolog_edif_dif_01" = 'RVB' then
    else 'Médio'
    end as padrao_proposto_01,

    'Médio Alto'
    'Médio'
    'Médio Baixo'
    'Médio Alto'
    'Médio'
    'Médio Baixo'
    'Alto'
    'Médio'
    'Médio Baixo'
    'Baixo'
    'Alto'
    'Médio Alto'
    'Médio'
    'Médio Baixo'
    'Baixo'
    'Alto'
    'Médio Alto'
    'Médio'
    'Médio'

    case when "102_-_tipolog_edif_dif_01" = 'CSHA' then
    when "102_-_tipolog_edif_dif_01" = 'CSHM' then
    when "102_-_tipolog_edif_dif_01" = 'CSHB' then
    when "102_-_tipolog_edif_dif_01" = 'CSVA' then
    when "102_-_tipolog_edif_dif_01" = 'CSVM' then
    when "102_-_tipolog_edif_dif_01" = 'CSVB' then
    when "102_-_tipolog_edif_dif_01" = 'GA' then
    when "102_-_tipolog_edif_dif_01" = 'GM' then
    when "102_-_tipolog_edif_dif_01" = 'GB' then
    when "102_-_tipolog_edif_dif_01" = 'GP' then
    when "102_-_tipolog_edif_dif_01" = 'RHL' then
    when "102_-_tipolog_edif_dif_01" = 'RHA' then
    when "102_-_tipolog_edif_dif_01" = 'RHM' then
    when "102_-_tipolog_edif_dif_01" = 'RHB' then
    when "102_-_tipolog_edif_dif_01" = 'RHP' then
    when "102_-_tipolog_edif_dif_01" = 'RVL' then
    when "102_-_tipolog_edif_dif_01" = 'RVA' then
    when "102_-_tipolog_edif_dif_01" = 'RVM' then
    when "102_-_tipolog_edif_dif_01" = 'RVB' then

    'Único'
    'Único'
    'Único'
    'Condomínio Vertical'
    'Condomínio Vertical'
    'Condomínio Vertical'
    'Único'
    'Único'
    'Único'
    'Único'
    'Único'
    'Único'
    'Único'
    'Único'
    'Único'
    'Único'
    'Condomínio Vertical'
    'Condomínio Vertical'
    'Condomínio Vertical'
    'Condomínio Vertical'

```

```

else 'Único'          -- optei po setar como medio
end as tipo_ocupacao_01,
"99_-_especie_edif_dif_01"::numeric,

case when "99_-_especie_edif_dif_01"::numeric = 1 then 'CASA'
when "99_-_especie_edif_dif_01"::numeric = 2 then 'APTO.'
when "99_-_especie_edif_dif_01"::numeric = 3 then 'BARRACÃO'
when "99_-_especie_edif_dif_01"::numeric = 4 then 'LOJA'
when "99_-_especie_edif_dif_01"::numeric = 5 then 'SALA'
when "99_-_especie_edif_dif_01"::numeric = 6 then 'GALPÃO'
when "99_-_especie_edif_dif_01"::numeric = 7 then 'GARAGEM'
when "99_-_especie_edif_dif_01"::numeric = 8 then 'TERRAÇO'
when "99_-_especie_edif_dif_01"::numeric = 9 then 'PORÃO'
when "99_-_especie_edif_dif_01"::numeric = 10 then 'IGREJA'
when "99_-_especie_edif_dif_01"::numeric = 11 then 'GINÁSIO'
when "99_-_especie_edif_dif_01"::numeric = 12 then 'ESTÁDIO'
when "99_-_especie_edif_dif_01"::numeric = 13 then 'QUADRA COBERTA'
when "99_-_especie_edif_dif_01"::numeric = 14 then 'QUADRA DESCOBERTA'
when "99_-_especie_edif_dif_01"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_01,

"101_-_conserv_efif_dif_01"::numeric,
"103_-_area_edif_dif_01" as area_unidade_01
from
public.cadastro c
)cc where tipo_ocupacao_01 = 'Único' or tipo_edificacao_01 = 'CASA'

) a01

on a0."999_-_numero_do_cadastro" = a01.num_cad_01

----- diferenciada 2
-----
left join

(
select *,

case
  when padrao_proposto_02 = 'Alto'          and tipo_edificacao_02 = 'CASA' then 1.5173
  when padrao_proposto_02 = 'Médio Alto'    and tipo_edificacao_02 = 'CASA' then 1.3596
  when padrao_proposto_02 = 'Médio'         and tipo_edificacao_02 = 'CASA' then 0.8969
  when padrao_proposto_02 = 'Médio Baixo'   and tipo_edificacao_02 = 'CASA' then 0.6766
  when padrao_proposto_02 = 'Baixo'         and tipo_edificacao_02 = 'CASA' then 0.5854

  when padrao_proposto_02 = 'Alto'          and tipo_edificacao_02 = 'APTO.' then 1.5173
  when padrao_proposto_02 = 'Médio Alto'    and tipo_edificacao_02 = 'APTO.' then 1.3596
  when padrao_proposto_02 = 'Médio'         and tipo_edificacao_02 = 'APTO.' then 0.8969
  when padrao_proposto_02 = 'Médio Baixo'   and tipo_edificacao_02 = 'APTO.' then 0.6766
  when padrao_proposto_02 = 'Baixo'         and tipo_edificacao_02 = 'APTO.' then 0.5854

  when padrao_proposto_02 = 'Alto'          and tipo_edificacao_02 = 'BARRACÃO' then 0.4580
  when padrao_proposto_02 = 'Médio Alto'    and tipo_edificacao_02 = 'BARRACÃO' then 0.4090
  when padrao_proposto_02 = 'Médio'         and tipo_edificacao_02 = 'BARRACÃO' then 0.3135
  when padrao_proposto_02 = 'Médio Baixo'   and tipo_edificacao_02 = 'BARRACÃO' then 0.1910
  when padrao_proposto_02 = 'Baixo'         and tipo_edificacao_02 = 'BARRACÃO' then 0.0840

  when padrao_proposto_02 = 'Alto'          and tipo_edificacao_02 = 'LOJA' then 1.5173
  when padrao_proposto_02 = 'Médio Alto'    and tipo_edificacao_02 = 'LOJA' then 1.3596
  when padrao_proposto_02 = 'Médio'         and tipo_edificacao_02 = 'LOJA' then 0.8969
  when padrao_proposto_02 = 'Médio Baixo'   and tipo_edificacao_02 = 'LOJA' then 0.6766
  when padrao_proposto_02 = 'Baixo'         and tipo_edificacao_02 = 'LOJA' then 0.5854

  when padrao_proposto_02 = 'Alto'          and tipo_edificacao_02 = 'SALA' then 1.5173
  when padrao_proposto_02 = 'Médio Alto'    and tipo_edificacao_02 = 'SALA' then 1.3596
  when padrao_proposto_02 = 'Médio'         and tipo_edificacao_02 = 'SALA' then 0.8969
  when padrao_proposto_02 = 'Médio Baixo'   and tipo_edificacao_02 = 'SALA' then 0.6766
  when padrao_proposto_02 = 'Baixo'         and tipo_edificacao_02 = 'SALA' then 0.5854

  when padrao_proposto_02 = 'Alto'          and tipo_edificacao_02 = 'GALPÃO' then 0.9160
  when padrao_proposto_02 = 'Médio Alto'    and tipo_edificacao_02 = 'GALPÃO' then 0.8179
  when padrao_proposto_02 = 'Médio'         and tipo_edificacao_02 = 'GALPÃO' then 0.6270
  when padrao_proposto_02 = 'Médio Baixo'   and tipo_edificacao_02 = 'GALPÃO' then 0.3817
  when padrao_proposto_02 = 'Baixo'         and tipo_edificacao_02 = 'GALPÃO' then 0.0840

  when padrao_proposto_02 = 'Alto'          and tipo_edificacao_02 = 'GARAGEM' then 0.9160
  when padrao_proposto_02 = 'Médio Alto'    and tipo_edificacao_02 = 'GARAGEM' then 0.8179

```

```

when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

when padrao_proposto_02 = 'Alto'
when padrao_proposto_02 = 'Médio Alto'
when padrao_proposto_02 = 'Médio'
when padrao_proposto_02 = 'Médio Baixo'
when padrao_proposto_02 = 'Baixo'

and tipo_edificacao_02 = 'GARAGEM' then 0.6270
and tipo_edificacao_02 = 'GARAGEM' then 0.3817
and tipo_edificacao_02 = 'GARAGEM' then 0.0840

and tipo_edificacao_02 = 'TERRAÇO' then 0.9160
and tipo_edificacao_02 = 'TERRAÇO' then 0.8179
and tipo_edificacao_02 = 'TERRAÇO' then 0.6270
and tipo_edificacao_02 = 'TERRAÇO' then 0.3817
and tipo_edificacao_02 = 'TERRAÇO' then 0.0840

and tipo_edificacao_02 = 'PORÃO' then 0.9160
and tipo_edificacao_02 = 'PORÃO' then 0.8179
and tipo_edificacao_02 = 'PORÃO' then 0.6270
and tipo_edificacao_02 = 'PORÃO' then 0.3817
and tipo_edificacao_02 = 'PORÃO' then 0.0840

and tipo_edificacao_02 = 'IGREJA' then 0.9160
and tipo_edificacao_02 = 'IGREJA' then 0.8179
and tipo_edificacao_02 = 'IGREJA' then 0.6270
and tipo_edificacao_02 = 'IGREJA' then 0.3817
and tipo_edificacao_02 = 'IGREJA' then 0.0840

and tipo_edificacao_02 = 'GINÁSIO' then 0.9160
and tipo_edificacao_02 = 'GINÁSIO' then 0.8179
and tipo_edificacao_02 = 'GINÁSIO' then 0.6270
and tipo_edificacao_02 = 'GINÁSIO' then 0.3817
and tipo_edificacao_02 = 'GINÁSIO' then 0.0840

and tipo_edificacao_02 = 'ESTÁDIO' then 1.0993
and tipo_edificacao_02 = 'ESTÁDIO' then 0.9815
and tipo_edificacao_02 = 'ESTÁDIO' then 0.7524
and tipo_edificacao_02 = 'ESTÁDIO' then 0.4580
and tipo_edificacao_02 = 'ESTÁDIO' then 0.0840

and tipo_edificacao_02 = 'QUADRA COBERTA' then 0.9160
and tipo_edificacao_02 = 'QUADRA COBERTA' then 0.8179
and tipo_edificacao_02 = 'QUADRA COBERTA' then 0.6270
and tipo_edificacao_02 = 'QUADRA COBERTA' then 0.3817
and tipo_edificacao_02 = 'QUADRA COBERTA' then 0.0840

and tipo_edificacao_02 = 'QUADRA DESCOBERTA' then 0.4580
and tipo_edificacao_02 = 'QUADRA DESCOBERTA' then 0.4090
and tipo_edificacao_02 = 'QUADRA DESCOBERTA' then 0.3135
and tipo_edificacao_02 = 'QUADRA DESCOBERTA' then 0.1910
and tipo_edificacao_02 = 'QUADRA DESCOBERTA' then 0.0840

and tipo_edificacao_02 = 'PISCINA' then 0.9160
and tipo_edificacao_02 = 'PISCINA' then 0.8179
and tipo_edificacao_02 = 'PISCINA' then 0.6270
and tipo_edificacao_02 = 'PISCINA' then 0.3817
and tipo_edificacao_02 = 'PISCINA' then 0.0840

end as f_pcv_02,

case when "107_-_conserv_edif_dif_02" = 1 then 1.00
when "107_-_conserv_edif_dif_02" = 2 then 0.98
when "107_-_conserv_edif_dif_02" = 3 then 0.90
when "107_-_conserv_edif_dif_02" = 4 then 0.80
when "107_-_conserv_edif_dif_02" = 5 then 0.65
else 1
end as f_co_02,

case when "105_-_especie_edif_dif_02" = 2 then 1
when "105_-_especie_edif_dif_02" = 4 then 1.20
when "105_-_especie_edif_dif_02" = 5 then 1.20
when "105_-_especie_edif_dif_02" = 7 then 0.70
else 1
end as f_tip_02,

'1' as f_ip_02,
'1' as f_toi_02

```

```

from (

select
    "999_-_numero_do_cadastro" as num_cad_02,
    "108_-_tipolog_edif_dif_02" as tipologia_02,
    "106_-_uso_edif_dif_02",
    right ("108_-_tipolog_edif_dif_02", 1) as padrao_atual_02,
case when "108_-_tipolog_edif_dif_02" = 'CSHA' then 'Médio Alto'
when "108_-_tipolog_edif_dif_02" = 'CSHM' then 'Médio'
when "108_-_tipolog_edif_dif_02" = 'CSHB' then 'Médio Baixo'
when "108_-_tipolog_edif_dif_02" = 'CSVA' then 'Médio Alto'
when "108_-_tipolog_edif_dif_02" = 'CSVM' then 'Médio'
when "108_-_tipolog_edif_dif_02" = 'CSVB' then 'Médio Baixo'
when "108_-_tipolog_edif_dif_02" = 'GA' then 'Alto'
when "108_-_tipolog_edif_dif_02" = 'GM' then 'Médio'
when "108_-_tipolog_edif_dif_02" = 'GB' then 'Médio Baixo'
when "108_-_tipolog_edif_dif_02" = 'GP' then 'Baixo'
when "108_-_tipolog_edif_dif_02" = 'RHL' then 'Alto'
when "108_-_tipolog_edif_dif_02" = 'RHA' then 'Médio Alto'
when "108_-_tipolog_edif_dif_02" = 'RHM' then 'Médio'
when "108_-_tipolog_edif_dif_02" = 'RHB' then 'Médio Baixo'
when "108_-_tipolog_edif_dif_02" = 'RHP' then 'Baixo'
when "108_-_tipolog_edif_dif_02" = 'RVL' then 'Alto'
when "108_-_tipolog_edif_dif_02" = 'RVA' then 'Médio Alto'
when "108_-_tipolog_edif_dif_02" = 'RVM' then 'Médio'
when "108_-_tipolog_edif_dif_02" = 'RVB' then 'Médio'
else 'Médio'
end as padrao_proposto_02,

case when "108_-_tipolog_edif_dif_02" = 'CSHA' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'CSHM' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'CSHB' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'CSVA' then 'Condomínio Vertical'
when "108_-_tipolog_edif_dif_02" = 'CSVM' then 'Condomínio Vertical'
when "108_-_tipolog_edif_dif_02" = 'CSVB' then 'Condomínio Vertical'
when "108_-_tipolog_edif_dif_02" = 'GA' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'GM' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'GB' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'GP' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'RHL' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'RHA' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'RHM' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'RHB' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'RHP' then 'Único'
when "108_-_tipolog_edif_dif_02" = 'RVL' then 'Condomínio Vertical'
when "108_-_tipolog_edif_dif_02" = 'RVA' then 'Condomínio Vertical'
when "108_-_tipolog_edif_dif_02" = 'RVM' then 'Condomínio Vertical'
when "108_-_tipolog_edif_dif_02" = 'RVB' then 'Condomínio Vertical'

else 'Único' -- optei po setar como medio
end as tipo_ocupacao_02,
"105_-_especie_edif_dif_02"::numeric,

case when "105_-_especie_edif_dif_02"::numeric = 1 then 'CASA'
when "105_-_especie_edif_dif_02"::numeric = 2 then 'APTO.'
when "105_-_especie_edif_dif_02"::numeric = 3 then 'BARRACÃO'
when "105_-_especie_edif_dif_02"::numeric = 4 then 'LOJA'
when "105_-_especie_edif_dif_02"::numeric = 5 then 'SALA'
when "105_-_especie_edif_dif_02"::numeric = 6 then 'GALPÃO'
when "105_-_especie_edif_dif_02"::numeric = 7 then 'GARAGEM'
when "105_-_especie_edif_dif_02"::numeric = 8 then 'TERRAÇO'
when "105_-_especie_edif_dif_02"::numeric = 9 then 'PORÃO'
when "105_-_especie_edif_dif_02"::numeric = 10 then 'IGREJA'
when "105_-_especie_edif_dif_02"::numeric = 11 then 'GINÁSIO'
when "105_-_especie_edif_dif_02"::numeric = 12 then 'ESTÁDIO'
when "105_-_especie_edif_dif_02"::numeric = 13 then 'QUADRA COBERTA'
when "105_-_especie_edif_dif_02"::numeric = 14 then 'QUADRA DESCOBERTA'
when "105_-_especie_edif_dif_02"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_02,

    "107_-_conserv_edif_dif_02"::numeric,
    "109_-_area_edif_dif_02" as area_unidade_02
from
    public.cadastro c
)cc where tipo_ocupacao_02 = 'Único' or tipo_edificacao_02 = 'CASA'

```

) a02

on a0."999_-_numero_do_cadastro" = a02.num_cad_02

----- diferenciada 3

left join

(
select *,

```

case
  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'CASA' then 1.5173
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'CASA' then 1.3596
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'CASA' then 0.8969
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'CASA' then 0.6766
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'CASA' then 0.5854

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'APTO.' then 1.5173
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'APTO.' then 1.3596
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'APTO.' then 0.8969
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'APTO.' then 0.6766
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'APTO.' then 0.5854

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'BARRACÃO' then 0.4580
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'BARRACÃO' then 0.4090
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'BARRACÃO' then 0.3135
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'BARRACÃO' then 0.1910
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'BARRACÃO' then 0.0840

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'LOJA' then 1.5173
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'LOJA' then 1.3596
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'LOJA' then 0.8969
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'LOJA' then 0.6766
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'LOJA' then 0.5854

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'SALA' then 1.5173
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'SALA' then 1.3596
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'SALA' then 0.8969
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'SALA' then 0.6766
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'SALA' then 0.5854

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'GALPÃO' then 0.9160
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'GALPÃO' then 0.8179
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'GALPÃO' then 0.6270
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'GALPÃO' then 0.3817
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'GALPÃO' then 0.0840

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'GARAGEM' then 0.9160
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'GARAGEM' then 0.8179
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'GARAGEM' then 0.6270
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'GARAGEM' then 0.3817
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'GARAGEM' then 0.0840

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'TERRAÇO' then 0.9160
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'TERRAÇO' then 0.8179
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'TERRAÇO' then 0.6270
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'TERRAÇO' then 0.3817
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'TERRAÇO' then 0.0840

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'PORÃO' then 0.9160
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'PORÃO' then 0.8179
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'PORÃO' then 0.6270
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'PORÃO' then 0.3817
  when padrao_proposto_03 = 'Baixo'         and tipo_edificacao_03 = 'PORÃO' then 0.0840

  when padrao_proposto_03 = 'Alto'           and tipo_edificacao_03 = 'IGREJA' then 0.9160
  when padrao_proposto_03 = 'Médio Alto'     and tipo_edificacao_03 = 'IGREJA' then 0.8179
  when padrao_proposto_03 = 'Médio'         and tipo_edificacao_03 = 'IGREJA' then 0.6270
  when padrao_proposto_03 = 'Médio Baixo'    and tipo_edificacao_03 = 'IGREJA' then 0.3817

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when padrao_proposto_03 = 'Baixo' and tipo_edificacao_03 = 'IGREJA' then 0.0840

when padrao_proposto_03 = 'Alto' and tipo_edificacao_03 = 'GINÁSIO' then 0.9160
when padrao_proposto_03 = 'Médio Alto' and tipo_edificacao_03 = 'GINÁSIO' then 0.8179
when padrao_proposto_03 = 'Médio' and tipo_edificacao_03 = 'GINÁSIO' then 0.6270
when padrao_proposto_03 = 'Médio Baixo' and tipo_edificacao_03 = 'GINÁSIO' then 0.3817
when padrao_proposto_03 = 'Baixo' and tipo_edificacao_03 = 'GINÁSIO' then 0.0840

when padrao_proposto_03 = 'Alto' and tipo_edificacao_03 = 'ESTÁDIO' then 1.0993
when padrao_proposto_03 = 'Médio Alto' and tipo_edificacao_03 = 'ESTÁDIO' then 0.9815
when padrao_proposto_03 = 'Médio' and tipo_edificacao_03 = 'ESTÁDIO' then 0.7524
when padrao_proposto_03 = 'Médio Baixo' and tipo_edificacao_03 = 'ESTÁDIO' then 0.4580
when padrao_proposto_03 = 'Baixo' and tipo_edificacao_03 = 'ESTÁDIO' then 0.0840

when padrao_proposto_03 = 'Alto' and tipo_edificacao_03 = 'QUADRA COBERTA' then 0.9160
when padrao_proposto_03 = 'Médio Alto' and tipo_edificacao_03 = 'QUADRA COBERTA' then 0.8179
when padrao_proposto_03 = 'Médio' and tipo_edificacao_03 = 'QUADRA COBERTA' then 0.6270
when padrao_proposto_03 = 'Médio Baixo' and tipo_edificacao_03 = 'QUADRA COBERTA' then 0.3817
when padrao_proposto_03 = 'Baixo' and tipo_edificacao_03 = 'QUADRA COBERTA' then 0.0840

when padrao_proposto_03 = 'Alto' and tipo_edificacao_03 = 'QUADRA DESCOBERTA' then 0.4580
when padrao_proposto_03 = 'Médio Alto' and tipo_edificacao_03 = 'QUADRA DESCOBERTA' then 0.4090
when padrao_proposto_03 = 'Médio' and tipo_edificacao_03 = 'QUADRA DESCOBERTA' then 0.3135
when padrao_proposto_03 = 'Médio Baixo' and tipo_edificacao_03 = 'QUADRA DESCOBERTA' then 0.1910
when padrao_proposto_03 = 'Baixo' and tipo_edificacao_03 = 'QUADRA DESCOBERTA' then 0.0840

when padrao_proposto_03 = 'Alto' and tipo_edificacao_03 = 'PISCINA' then 0.9160
when padrao_proposto_03 = 'Médio Alto' and tipo_edificacao_03 = 'PISCINA' then 0.8179
when padrao_proposto_03 = 'Médio' and tipo_edificacao_03 = 'PISCINA' then 0.6270
when padrao_proposto_03 = 'Médio Baixo' and tipo_edificacao_03 = 'PISCINA' then 0.3817
when padrao_proposto_03 = 'Baixo' and tipo_edificacao_03 = 'PISCINA' then 0.0840

end as f_pcv_03,

case when "113_-_conserv_edif_dif_03" = 1 then 1.00
when "113_-_conserv_edif_dif_03" = 2 then 0.98
when "113_-_conserv_edif_dif_03" = 3 then 0.90
when "113_-_conserv_edif_dif_03" = 4 then 0.80
when "113_-_conserv_edif_dif_03" = 5 then 0.65
else 1
end as f_co_03,

case when "111_-_especie_edif_dif_03" = 2 then 1
when "111_-_especie_edif_dif_03" = 4 then 1.20
when "111_-_especie_edif_dif_03" = 5 then 1.20
when "111_-_especie_edif_dif_03" = 7 then 0.70

else 1
end as f_tip_03,

'1' as f_ip_03,
'1' as f_toi_03

from (

select
"999_-_numero_do_cadastro" as num_cad_03,
"114_-_tipolog_edif_dif_03" as tipologia_03,
"112_-_uso_edif_dif_03",
right ("114_-_tipolog_edif_dif_03", 1) as padrao_atual_03,
case when "114_-_tipolog_edif_dif_03" = 'CSHA' then 'Médio Alto'
when "114_-_tipolog_edif_dif_03" = 'CSHM' then 'Médio'
when "114_-_tipolog_edif_dif_03" = 'CSHB' then 'Médio Baixo'
when "114_-_tipolog_edif_dif_03" = 'CSVA' then 'Médio Alto'
when "114_-_tipolog_edif_dif_03" = 'CSVM' then 'Médio'
when "114_-_tipolog_edif_dif_03" = 'CSVB' then 'Médio Baixo'
when "114_-_tipolog_edif_dif_03" = 'GA' then 'Alto'
when "114_-_tipolog_edif_dif_03" = 'GM' then 'Médio'
when "114_-_tipolog_edif_dif_03" = 'GB' then 'Médio Baixo'
when "114_-_tipolog_edif_dif_03" = 'GP' then 'Baixo'
when "114_-_tipolog_edif_dif_03" = 'RHL' then 'Alto'
when "114_-_tipolog_edif_dif_03" = 'RHA' then 'Médio Alto'
when "114_-_tipolog_edif_dif_03" = 'RHM' then 'Médio'
when "114_-_tipolog_edif_dif_03" = 'RHB' then 'Médio Baixo'

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when "114_-_tipolog_edif_dif_03" = 'RHP' then          'Baixo'
when "114_-_tipolog_edif_dif_03" = 'RVL' then          'Alto'
when "114_-_tipolog_edif_dif_03" = 'RVA' then          'Médio Alto'
when "114_-_tipolog_edif_dif_03" = 'RVM' then          'Médio'
when "114_-_tipolog_edif_dif_03" = 'RVB' then          'Médio'
else 'Médio'
end as padrao_proposto_03,

case when "114_-_tipolog_edif_dif_03" = 'CSHA' then      'Único'
when "114_-_tipolog_edif_dif_03" = 'CSHM' then          'Único'
when "114_-_tipolog_edif_dif_03" = 'CSHB' then          'Único'
when "114_-_tipolog_edif_dif_03" = 'CSVA' then          'Condomínio Vertical'
when "114_-_tipolog_edif_dif_03" = 'CSVM' then          'Condomínio Vertical'
when "114_-_tipolog_edif_dif_03" = 'CSVB' then          'Condomínio Vertical'
when "114_-_tipolog_edif_dif_03" = 'GA' then            'Único'
when "114_-_tipolog_edif_dif_03" = 'GM' then            'Único'
when "114_-_tipolog_edif_dif_03" = 'GB' then            'Único'
when "114_-_tipolog_edif_dif_03" = 'GP' then            'Único'
when "114_-_tipolog_edif_dif_03" = 'RHL' then          'Único'
when "114_-_tipolog_edif_dif_03" = 'RHA' then          'Único'
when "114_-_tipolog_edif_dif_03" = 'RHM' then          'Único'
when "114_-_tipolog_edif_dif_03" = 'RHB' then          'Único'
when "114_-_tipolog_edif_dif_03" = 'RHP' then          'Único'
when "114_-_tipolog_edif_dif_03" = 'RVL' then          'Condomínio Vertical'
when "114_-_tipolog_edif_dif_03" = 'RVA' then          'Condomínio Vertical'
when "114_-_tipolog_edif_dif_03" = 'RVM' then          'Condomínio Vertical'
when "114_-_tipolog_edif_dif_03" = 'RVB' then          'Condomínio Vertical'

else 'Único' -- optei po setar como medio
end as tipo_ocupacao_03,
"111_-_especie_edif_dif_03"::numeric,

case when "111_-_especie_edif_dif_03"::numeric = 1 then 'CASA'
when "111_-_especie_edif_dif_03"::numeric = 2 then 'APTO.'
when "111_-_especie_edif_dif_03"::numeric = 3 then 'BARRACÃO'
when "111_-_especie_edif_dif_03"::numeric = 4 then 'LOJA'
when "111_-_especie_edif_dif_03"::numeric = 5 then 'SALA'
when "111_-_especie_edif_dif_03"::numeric = 6 then 'GALPÃO'
when "111_-_especie_edif_dif_03"::numeric = 7 then 'GARAGEM'
when "111_-_especie_edif_dif_03"::numeric = 8 then 'TERRAÇO'
when "111_-_especie_edif_dif_03"::numeric = 9 then 'PORÃO'
when "111_-_especie_edif_dif_03"::numeric = 10 then 'IGREJA'
when "111_-_especie_edif_dif_03"::numeric = 11 then 'GINÁSIO'
when "111_-_especie_edif_dif_03"::numeric = 12 then 'ESTÁDIO'
when "111_-_especie_edif_dif_03"::numeric = 13 then 'QUADRA COBERTA'
when "111_-_especie_edif_dif_03"::numeric = 14 then 'QUADRA DESCOBERTA'
when "111_-_especie_edif_dif_03"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_03,

"113_-_conserv_edif_dif_03"::numeric,
"115_-_area_edif_dif_03" as area_unidade_03
from
public.cadastro c
)cc where tipo_ocupacao_03 = 'Único' or tipo_edificacao_03 = 'CASA'

) a03

on a0."999_-_numero_do_cadastro" = a03.num_cad_03

left join

(
select *,

case
when padrao_proposto_04 = 'Alto' and tipo_edificacao_04 = 'CASA' then 1.5173
when padrao_proposto_04 = 'Médio Alto' and tipo_edificacao_04 = 'CASA' then 1.3596
when padrao_proposto_04 = 'Médio' and tipo_edificacao_04 = 'CASA' then 0.8969
when padrao_proposto_04 = 'Médio Baixo' and tipo_edificacao_04 = 'CASA' then 0.6766
when padrao_proposto_04 = 'Baixo' and tipo_edificacao_04 = 'CASA' then 0.5854

when padrao_proposto_04 = 'Alto' and tipo_edificacao_04 = 'APTO.' then 1.5173
when padrao_proposto_04 = 'Médio Alto' and tipo_edificacao_04 = 'APTO.' then 1.3596
when padrao_proposto_04 = 'Médio' and tipo_edificacao_04 = 'APTO.' then 0.8969
when padrao_proposto_04 = 'Médio Baixo' and tipo_edificacao_04 = 'APTO.' then 0.6766

```

[illegible]

```

when padrao_proposto_04 = 'Médio Baixo' and tipo_edificacao_04 = 'PISCINA' then 0.3817
when padrao_proposto_04 = 'Baixo' and tipo_edificacao_04 = 'PISCINA' then 0.0840

end as f_pcv_04,

case when "119_-_conserv_edif_dif_04" = 1 then 1.00
when "119_-_conserv_edif_dif_04" = 2 then 0.98
when "119_-_conserv_edif_dif_04" = 3 then 0.90
when "119_-_conserv_edif_dif_04" = 4 then 0.80
when "119_-_conserv_edif_dif_04" = 5 then 0.65
else 1
end as f_co_04,

case when "117_-_especie_edif_dif_04" = 2 then 1
when "117_-_especie_edif_dif_04" = 4 then 1.20
when "117_-_especie_edif_dif_04" = 5 then 1.20
when "117_-_especie_edif_dif_04" = 7 then 0.70

else 1
end as f_tip_04,

'1' as f_ip_04,
'1' as f_toi_04

from (

select
"999_-_numero_do_cadastro" as num_cad_04,
"117_-_especie_edif_dif_04" as tipologia_04,
"118_-_uso_edif_dif_04",
right ("117_-_especie_edif_dif_04", 1) as padrao_atual_04,
case when "117_-_especie_edif_dif_04" = 'CSHA' then 'Médio Alto'
when "117_-_especie_edif_dif_04" = 'CSHM' then 'Médio'
when "117_-_especie_edif_dif_04" = 'CSHB' then 'Médio Baixo'
when "117_-_especie_edif_dif_04" = 'CSVA' then 'Médio Alto'
when "117_-_especie_edif_dif_04" = 'CSVM' then 'Médio'
when "117_-_especie_edif_dif_04" = 'CSVB' then 'Médio Baixo'
when "117_-_especie_edif_dif_04" = 'GA' then 'Alto'
when "117_-_especie_edif_dif_04" = 'GM' then 'Médio'
when "117_-_especie_edif_dif_04" = 'GB' then 'Médio Baixo'
when "117_-_especie_edif_dif_04" = 'GP' then 'Baixo'
when "117_-_especie_edif_dif_04" = 'RHL' then 'Alto'
when "117_-_especie_edif_dif_04" = 'RHA' then 'Médio Alto'
when "117_-_especie_edif_dif_04" = 'RHM' then 'Médio'
when "117_-_especie_edif_dif_04" = 'RHB' then 'Médio Baixo'
when "117_-_especie_edif_dif_04" = 'RHP' then 'Baixo'
when "117_-_especie_edif_dif_04" = 'RVL' then 'Alto'
when "117_-_especie_edif_dif_04" = 'RVA' then 'Médio Alto'
when "117_-_especie_edif_dif_04" = 'RVM' then 'Médio'
when "117_-_especie_edif_dif_04" = 'RVB' then 'Médio'
else 'Médio'
end as padrao_proposto_04,

case when "117_-_especie_edif_dif_04" = 'CSHA' then 'Único'
when "117_-_especie_edif_dif_04" = 'CSHM' then 'Único'
when "117_-_especie_edif_dif_04" = 'CSHB' then 'Único'
when "117_-_especie_edif_dif_04" = 'CSVA' then 'Condomínio Vertical'
when "117_-_especie_edif_dif_04" = 'CSVM' then 'Condomínio Vertical'
when "117_-_especie_edif_dif_04" = 'CSVB' then 'Condomínio Vertical'
when "117_-_especie_edif_dif_04" = 'GA' then 'Único'
when "117_-_especie_edif_dif_04" = 'GM' then 'Único'
when "117_-_especie_edif_dif_04" = 'GB' then 'Único'
when "117_-_especie_edif_dif_04" = 'GP' then 'Único'
when "117_-_especie_edif_dif_04" = 'RHL' then 'Único'
when "117_-_especie_edif_dif_04" = 'RHA' then 'Único'
when "117_-_especie_edif_dif_04" = 'RHM' then 'Único'
when "117_-_especie_edif_dif_04" = 'RHB' then 'Único'
when "117_-_especie_edif_dif_04" = 'RHP' then 'Único'
when "117_-_especie_edif_dif_04" = 'RVL' then 'Condomínio Vertical'
when "117_-_especie_edif_dif_04" = 'RVA' then 'Condomínio Vertical'
when "117_-_especie_edif_dif_04" = 'RVM' then 'Condomínio Vertical'
when "117_-_especie_edif_dif_04" = 'RVB' then 'Condomínio Vertical'

else 'Único' -- optei po setar como medio

```

```

end as tipo_ocupacao_04,
"117_-_especie_edif_dif_04"::numeric,

case when "117_-_especie_edif_dif_04"::numeric = 1 then 'CASA'
when "117_-_especie_edif_dif_04"::numeric = 2 then 'APTO.'
  when "117_-_especie_edif_dif_04"::numeric = 3 then 'BARRACÃO'
  when "117_-_especie_edif_dif_04"::numeric = 4 then 'LOJA'
  when "117_-_especie_edif_dif_04"::numeric = 5 then 'SALA'
  when "117_-_especie_edif_dif_04"::numeric = 6 then 'GALPÃO'
  when "117_-_especie_edif_dif_04"::numeric = 7 then 'GARAGEM'
  when "117_-_especie_edif_dif_04"::numeric = 8 then 'TERRAÇO'
  when "117_-_especie_edif_dif_04"::numeric = 9 then 'PORÃO'
  when "117_-_especie_edif_dif_04"::numeric = 10 then 'IGREJA'
  when "117_-_especie_edif_dif_04"::numeric = 11 then 'GINÁSIO'
  when "117_-_especie_edif_dif_04"::numeric = 12 then 'ESTÁDIO'
  when "117_-_especie_edif_dif_04"::numeric = 13 then 'QUADRA COBERTA'
  when "117_-_especie_edif_dif_04"::numeric = 14 then 'QUADRA DESCOBERTA'
  when "117_-_especie_edif_dif_04"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_04,

  "119_-_conserv_edif_dif_04"::numeric,
  "121_-_area_edif_dif_04" as area_unidade_04
from
  public.cadastro c
)cc where tipo_ocupacao_04 = 'Único' or tipo_edificacao_04 = 'CASA'

) a04

on a0."999_-_numero_do_cadastro" = a04.num_cad_04

left join

(
select *,

case
  when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'CASA' then 1.5173
  when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'CASA' then 1.3596
  when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'CASA' then 0.8969
  when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'CASA' then 0.6766
  when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'CASA' then 0.5854

  when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'APTO.' then 1.5173
  when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'APTO.' then 1.3596
  when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'APTO.' then 0.8969
  when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'APTO.' then 0.6766
  when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'APTO.' then 0.5854

  when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'BARRACÃO' then 0.4580
  when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'BARRACÃO' then 0.4090
  when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'BARRACÃO' then 0.3135
  when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'BARRACÃO' then 0.1910
  when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'BARRACÃO' then 0.0840

  when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'LOJA' then 1.5173
  when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'LOJA' then 1.3596
  when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'LOJA' then 0.8969
  when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'LOJA' then 0.6766
  when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'LOJA' then 0.5854

  when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'SALA' then 1.5173
  when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'SALA' then 1.3596
  when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'SALA' then 0.8969
  when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'SALA' then 0.6766
  when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'SALA' then 0.5854

  when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'GALPÃO' then 0.9160
  when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'GALPÃO' then 0.8179
  when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'GALPÃO' then 0.6270
  when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'GALPÃO' then 0.3817
  when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'GALPÃO' then 0.0840

  when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'GARAGEM' then 0.9160
  when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'GARAGEM' then 0.8179
  when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'GARAGEM' then 0.6270
  when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'GARAGEM' then 0.3817
  when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'GARAGEM' then 0.0840

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when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'TERRAÇO' then 0.9160
when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'TERRAÇO' then 0.8179
when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'TERRAÇO' then 0.6270
when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'TERRAÇO' then 0.3817
when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'TERRAÇO' then 0.0840

when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'PORÃO' then 0.9160
when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'PORÃO' then 0.8179
when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'PORÃO' then 0.6270
when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'PORÃO' then 0.3817
when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'PORÃO' then 0.0840

when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'IGREJA' then 0.9160
when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'IGREJA' then 0.8179
when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'IGREJA' then 0.6270
when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'IGREJA' then 0.3817
when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'IGREJA' then 0.0840

when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'GINÁSIO' then 0.9160
when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'GINÁSIO' then 0.8179
when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'GINÁSIO' then 0.6270
when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'GINÁSIO' then 0.3817
when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'GINÁSIO' then 0.0840

when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'ESTÁDIO' then 1.0993
when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'ESTÁDIO' then 0.9815
when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'ESTÁDIO' then 0.7524
when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'ESTÁDIO' then 0.4580
when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'ESTÁDIO' then 0.0840

when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'QUADRA COBERTA' then 0.9160
when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'QUADRA COBERTA' then 0.8179
when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'QUADRA COBERTA' then 0.6270
when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'QUADRA COBERTA' then 0.3817
when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'QUADRA COBERTA' then 0.0840

when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'QUADRA DESCOBERTA' then 0.4580
when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'QUADRA DESCOBERTA' then 0.4090
when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'QUADRA DESCOBERTA' then 0.3135
when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'QUADRA DESCOBERTA' then 0.1910
when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'QUADRA DESCOBERTA' then 0.0840

when padrao_proposto_05 = 'Alto' and tipo_edificacao_05 = 'PISCINA' then 0.9160
when padrao_proposto_05 = 'Médio Alto' and tipo_edificacao_05 = 'PISCINA' then 0.8179
when padrao_proposto_05 = 'Médio' and tipo_edificacao_05 = 'PISCINA' then 0.6270
when padrao_proposto_05 = 'Médio Baixo' and tipo_edificacao_05 = 'PISCINA' then 0.3817
when padrao_proposto_05 = 'Baixo' and tipo_edificacao_05 = 'PISCINA' then 0.0840

end as f_pcv_05,

case when "125_-_conserv_edif_dif_05" = 1 then 1.00
when "125_-_conserv_edif_dif_05" = 2 then 0.98
when "125_-_conserv_edif_dif_05" = 3 then 0.90
when "125_-_conserv_edif_dif_05" = 4 then 0.80
when "125_-_conserv_edif_dif_05" = 5 then 0.65
else 1
end as f_co_05,

case when "123_-_especie_edif_dif_05" = 2 then 1
when "123_-_especie_edif_dif_05" = 4 then 1.20
when "123_-_especie_edif_dif_05" = 5 then 1.20
when "123_-_especie_edif_dif_05" = 7 then 0.70
else 1
end as f_tip_05,

'1' as f_ip_05,
'1' as f_toi_05

from (

select
"999_-_numero_do_cadastro" as num_cad_05,
"123_-_especie_edif_dif_05" as tipologia_05,

```

```

"124_-_uso_edif_dif_05",
right ("123_-_especie_edif_dif_05", 1) as padrao_atual_05,
case when "123_-_especie_edif_dif_05" = 'CSHA' then
when "123_-_especie_edif_dif_05" = 'CSHM' then
when "123_-_especie_edif_dif_05" = 'CSHB' then
when "123_-_especie_edif_dif_05" = 'CSVA' then
when "123_-_especie_edif_dif_05" = 'CSVM' then
when "123_-_especie_edif_dif_05" = 'CSVB' then
when "123_-_especie_edif_dif_05" = 'GA' then
when "123_-_especie_edif_dif_05" = 'GM' then
when "123_-_especie_edif_dif_05" = 'GB' then
when "123_-_especie_edif_dif_05" = 'GP' then
when "123_-_especie_edif_dif_05" = 'RHL' then
when "123_-_especie_edif_dif_05" = 'RHA' then
when "123_-_especie_edif_dif_05" = 'RHM' then
when "123_-_especie_edif_dif_05" = 'RHB' then
when "123_-_especie_edif_dif_05" = 'RHP' then
when "123_-_especie_edif_dif_05" = 'RVL' then
when "123_-_especie_edif_dif_05" = 'RVA' then
when "123_-_especie_edif_dif_05" = 'RVM' then
when "123_-_especie_edif_dif_05" = 'RVB' then
else 'Médio'
end as padrao_proposto_05,

'Médio Alto'
'Médio'
'Médio Baixo'
'Médio Alto'
'Médio'
'Médio Baixo'
'Alto'
'Médio'
'Médio Baixo'
'Baixo'
'Alto'
'Médio Alto'
'Médio'
'Médio Baixo'
'Baixo'
'Alto'
'Médio Alto'
'Médio'
'Médio'

case when "123_-_especie_edif_dif_05" = 'CSHA' then
when "123_-_especie_edif_dif_05" = 'CSHM' then
when "123_-_especie_edif_dif_05" = 'CSHB' then
when "123_-_especie_edif_dif_05" = 'CSVA' then
when "123_-_especie_edif_dif_05" = 'CSVM' then
when "123_-_especie_edif_dif_05" = 'CSVB' then
when "123_-_especie_edif_dif_05" = 'GA' then
when "123_-_especie_edif_dif_05" = 'GM' then
when "123_-_especie_edif_dif_05" = 'GB' then
when "123_-_especie_edif_dif_05" = 'GP' then
when "123_-_especie_edif_dif_05" = 'RHL' then
when "123_-_especie_edif_dif_05" = 'RHA' then
when "123_-_especie_edif_dif_05" = 'RHM' then
when "123_-_especie_edif_dif_05" = 'RHB' then
when "123_-_especie_edif_dif_05" = 'RHP' then
when "123_-_especie_edif_dif_05" = 'RVL' then
when "123_-_especie_edif_dif_05" = 'RVA' then
when "123_-_especie_edif_dif_05" = 'RVM' then
when "123_-_especie_edif_dif_05" = 'RVB' then
else 'Único'
end as tipo_ocupacao_05,
-- optei po setar como medio
"123_-_especie_edif_dif_05"::numeric,

'Único'
'Único'
'Condomínio Vertical'
'Condomínio Vertical'
'Condomínio Vertical'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Condomínio Vertical'
'Condomínio Vertical'
'Condomínio Vertical'
'Condomínio Vertical'

case when "123_-_especie_edif_dif_05"::numeric = 1 then 'CASA'
when "123_-_especie_edif_dif_05"::numeric = 2 then 'APTO.'
when "123_-_especie_edif_dif_05"::numeric = 3 then 'BARRACÃO'
when "123_-_especie_edif_dif_05"::numeric = 4 then 'LOJA'
when "123_-_especie_edif_dif_05"::numeric = 5 then 'SALA'
when "123_-_especie_edif_dif_05"::numeric = 6 then 'GALPÃO'
when "123_-_especie_edif_dif_05"::numeric = 7 then 'GARAGEM'
when "123_-_especie_edif_dif_05"::numeric = 8 then 'TERRAÇO'
when "123_-_especie_edif_dif_05"::numeric = 9 then 'PORÃO'
when "123_-_especie_edif_dif_05"::numeric = 10 then 'IGREJA'
when "123_-_especie_edif_dif_05"::numeric = 11 then 'GINÁSIO'
when "123_-_especie_edif_dif_05"::numeric = 12 then 'ESTÁDIO'
when "123_-_especie_edif_dif_05"::numeric = 13 then 'QUADRA COBERTA'
when "123_-_especie_edif_dif_05"::numeric = 14 then 'QUADRA DESCOBERTA'
when "123_-_especie_edif_dif_05"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_05,

"125_-_conserv_edif_dif_05"::numeric,
"127_-_area_edif_dif_05" as area_unidade_05
from
public.cadastro c
)cc where tipo_ocupacao_05 = 'Único' or tipo_edificacao_05 = 'CASA'

) a05

on a0."999_-_numero_do_cadastro" = a05.num_cad_05

```

left join

```
(
select *,
case
  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'CASA' then 1.5173
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'CASA' then 1.3596
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'CASA' then 0.8969
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'CASA' then 0.6766
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'CASA' then 0.5854

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'APTO.' then 1.5173
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'APTO.' then 1.3596
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'APTO.' then 0.8969
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'APTO.' then 0.6766
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'APTO.' then 0.5854

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'BARRACÃO' then 0.4580
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'BARRACÃO' then 0.4090
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'BARRACÃO' then 0.3135
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'BARRACÃO' then 0.1910
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'BARRACÃO' then 0.0840

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'LOJA' then 1.5173
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'LOJA' then 1.3596
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'LOJA' then 0.8969
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'LOJA' then 0.6766
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'LOJA' then 0.5854

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'SALA' then 1.5173
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'SALA' then 1.3596
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'SALA' then 0.8969
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'SALA' then 0.6766
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'SALA' then 0.5854

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'GALPÃO' then 0.9160
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'GALPÃO' then 0.8179
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'GALPÃO' then 0.6270
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'GALPÃO' then 0.3817
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'GALPÃO' then 0.0840

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'GARAGEM' then 0.9160
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'GARAGEM' then 0.8179
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'GARAGEM' then 0.6270
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'GARAGEM' then 0.3817
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'GARAGEM' then 0.0840

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'TERRAÇO' then 0.9160
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'TERRAÇO' then 0.8179
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'TERRAÇO' then 0.6270
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'TERRAÇO' then 0.3817
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'TERRAÇO' then 0.0840

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'PORÃO' then 0.9160
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'PORÃO' then 0.8179
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'PORÃO' then 0.6270
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'PORÃO' then 0.3817
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'PORÃO' then 0.0840

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'IGREJA' then 0.9160
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'IGREJA' then 0.8179
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'IGREJA' then 0.6270
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'IGREJA' then 0.3817
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'IGREJA' then 0.0840

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'GINÁSIO' then 0.9160
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'GINÁSIO' then 0.8179
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'GINÁSIO' then 0.6270
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'GINÁSIO' then 0.3817
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'GINÁSIO' then 0.0840

  when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'ESTÁDIO' then 1.0993
  when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'ESTÁDIO' then 0.9815
  when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'ESTÁDIO' then 0.7524
  when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'ESTÁDIO' then 0.4580
  when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'ESTÁDIO' then 0.0840
```

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when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'QUADRA COBERTA' then 0.9160
when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'QUADRA COBERTA' then 0.8179
when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'QUADRA COBERTA' then 0.6270
when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'QUADRA COBERTA' then 0.3817
when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'QUADRA COBERTA' then 0.0840

when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'QUADRA DESCOBERTA' then 0.4580
when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'QUADRA DESCOBERTA' then 0.4090
when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'QUADRA DESCOBERTA' then 0.3135
when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'QUADRA DESCOBERTA' then 0.1910
when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'QUADRA DESCOBERTA' then 0.0840

when padrao_proposto_06 = 'Alto' and tipo_edificacao_06 = 'PISCINA' then 0.9160
when padrao_proposto_06 = 'Médio Alto' and tipo_edificacao_06 = 'PISCINA' then 0.8179
when padrao_proposto_06 = 'Médio' and tipo_edificacao_06 = 'PISCINA' then 0.6270
when padrao_proposto_06 = 'Médio Baixo' and tipo_edificacao_06 = 'PISCINA' then 0.3817
when padrao_proposto_06 = 'Baixo' and tipo_edificacao_06 = 'PISCINA' then 0.0840

end as f_pcv_06,

case when "131_-_conserv_edif_dif_06" = 1 then 1.00
when "131_-_conserv_edif_dif_06" = 2 then 0.98
when "131_-_conserv_edif_dif_06" = 3 then 0.90
when "131_-_conserv_edif_dif_06" = 4 then 0.80
when "131_-_conserv_edif_dif_06" = 5 then 0.65
else 1
end as f_co_06,

case when "129_-_especie_edif_dif_06" = 2 then 1
when "129_-_especie_edif_dif_06" = 4 then 1.20
when "129_-_especie_edif_dif_06" = 5 then 1.20
when "129_-_especie_edif_dif_06" = 7 then 0.70

else 1
end as f_tip_06,

'1' as f_ip_06,
'1' as f_toi_06

from (

select
"999_-_numero_do_cadastro" as num_cad_06,
"129_-_especie_edif_dif_06" as tipologia_06,
"130_-_uso_edif_dif_06",
right ("129_-_especie_edif_dif_06", 1) as padrao_atual_06,
case when "129_-_especie_edif_dif_06" = 'CSHA' then 'Médio Alto'
when "129_-_especie_edif_dif_06" = 'CSHM' then 'Médio'
when "129_-_especie_edif_dif_06" = 'CSHB' then 'Médio Baixo'
when "129_-_especie_edif_dif_06" = 'CSVA' then 'Médio Alto'
when "129_-_especie_edif_dif_06" = 'CSVM' then 'Médio'
when "129_-_especie_edif_dif_06" = 'CSVB' then 'Médio Baixo'
when "129_-_especie_edif_dif_06" = 'GA' then 'Alto'
when "129_-_especie_edif_dif_06" = 'GM' then 'Médio'
when "129_-_especie_edif_dif_06" = 'GB' then 'Médio Baixo'
when "129_-_especie_edif_dif_06" = 'GP' then 'Baixo'
when "129_-_especie_edif_dif_06" = 'RHL' then 'Alto'
when "129_-_especie_edif_dif_06" = 'RHA' then 'Médio Alto'
when "129_-_especie_edif_dif_06" = 'RHM' then 'Médio'
when "129_-_especie_edif_dif_06" = 'RHB' then 'Médio Baixo'
when "129_-_especie_edif_dif_06" = 'RHP' then 'Baixo'
when "129_-_especie_edif_dif_06" = 'RVL' then 'Alto'
when "129_-_especie_edif_dif_06" = 'RVA' then 'Médio Alto'
when "129_-_especie_edif_dif_06" = 'RVM' then 'Médio'
when "129_-_especie_edif_dif_06" = 'RVB' then 'Médio'
else 'Médio'
end as padrao_proposto_06,

case when "129_-_especie_edif_dif_06" = 'CSHA' then 'Único'
when "129_-_especie_edif_dif_06" = 'CSHM' then 'Único'
when "129_-_especie_edif_dif_06" = 'CSHB' then 'Único'
when "129_-_especie_edif_dif_06" = 'CSVA' then 'Condomínio Vertical'
when "129_-_especie_edif_dif_06" = 'CSVM' then 'Condomínio Vertical'

```

```

when "129_-_especie_edif_dif_06" = 'CSVB' then 'Condomínio Vertical'
when "129_-_especie_edif_dif_06" = 'GA' then 'Único'
when "129_-_especie_edif_dif_06" = 'GM' then 'Único'
when "129_-_especie_edif_dif_06" = 'GB' then 'Único'
when "129_-_especie_edif_dif_06" = 'GP' then 'Único'
when "129_-_especie_edif_dif_06" = 'RHL' then 'Único'
when "129_-_especie_edif_dif_06" = 'RHA' then 'Único'
when "129_-_especie_edif_dif_06" = 'RHM' then 'Único'
when "129_-_especie_edif_dif_06" = 'RHB' then 'Único'
when "129_-_especie_edif_dif_06" = 'RHP' then 'Único'
when "129_-_especie_edif_dif_06" = 'RVL' then 'Condomínio Vertical'
when "129_-_especie_edif_dif_06" = 'RVA' then 'Condomínio Vertical'
when "129_-_especie_edif_dif_06" = 'RVM' then 'Condomínio Vertical'
when "129_-_especie_edif_dif_06" = 'RVB' then 'Condomínio Vertical'

else 'Único' -- optei po setar como medio
end as tipo_ocupacao_06,
"129_-_especie_edif_dif_06"::numeric,

case when "129_-_especie_edif_dif_06"::numeric = 1 then 'CASA'
when "129_-_especie_edif_dif_06"::numeric = 2 then 'APTO.'
when "129_-_especie_edif_dif_06"::numeric = 3 then 'BARRACÃO'
when "129_-_especie_edif_dif_06"::numeric = 4 then 'LOJA'
when "129_-_especie_edif_dif_06"::numeric = 5 then 'SALA'
when "129_-_especie_edif_dif_06"::numeric = 6 then 'GALPÃO'
when "129_-_especie_edif_dif_06"::numeric = 7 then 'GARAGEM'
when "129_-_especie_edif_dif_06"::numeric = 8 then 'TERRAÇO'
when "129_-_especie_edif_dif_06"::numeric = 9 then 'PORÃO'
when "129_-_especie_edif_dif_06"::numeric = 10 then 'IGREJA'
when "129_-_especie_edif_dif_06"::numeric = 11 then 'GINÁSIO'
when "129_-_especie_edif_dif_06"::numeric = 12 then 'ESTÁDIO'
when "129_-_especie_edif_dif_06"::numeric = 13 then 'QUADRA COBERTA'
when "129_-_especie_edif_dif_06"::numeric = 14 then 'QUADRA DESCOBERTA'
when "129_-_especie_edif_dif_06"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_06,

"131_-_conserv_edif_dif_06"::numeric,
"133_-_area_edif_dif_06" as area_unidade_06
from
public.cadastro c
)cc where tipo_ocupacao_06 = 'Único' or tipo_edificacao_06 = 'CASA'

) a06

on a0."999_-_numero_do_cadastro" = a06.num_cad_06

left join

(
select *,

case
when padrao_proposto_07 = 'Alto' and tipo_edificacao_07 = 'CASA' then 1.5173
when padrao_proposto_07 = 'Médio Alto' and tipo_edificacao_07 = 'CASA' then 1.3596
when padrao_proposto_07 = 'Médio' and tipo_edificacao_07 = 'CASA' then 0.8969
when padrao_proposto_07 = 'Médio Baixo' and tipo_edificacao_07 = 'CASA' then 0.6766
when padrao_proposto_07 = 'Baixo' and tipo_edificacao_07 = 'CASA' then 0.5854

when padrao_proposto_07 = 'Alto' and tipo_edificacao_07 = 'APTO.' then 1.5173
when padrao_proposto_07 = 'Médio Alto' and tipo_edificacao_07 = 'APTO.' then 1.3596
when padrao_proposto_07 = 'Médio' and tipo_edificacao_07 = 'APTO.' then 0.8969
when padrao_proposto_07 = 'Médio Baixo' and tipo_edificacao_07 = 'APTO.' then 0.6766
when padrao_proposto_07 = 'Baixo' and tipo_edificacao_07 = 'APTO.' then 0.5854

when padrao_proposto_07 = 'Alto' and tipo_edificacao_07 = 'BARRACÃO' then 0.4580
when padrao_proposto_07 = 'Médio Alto' and tipo_edificacao_07 = 'BARRACÃO' then 0.4090
when padrao_proposto_07 = 'Médio' and tipo_edificacao_07 = 'BARRACÃO' then 0.3135
when padrao_proposto_07 = 'Médio Baixo' and tipo_edificacao_07 = 'BARRACÃO' then 0.1910
when padrao_proposto_07 = 'Baixo' and tipo_edificacao_07 = 'BARRACÃO' then 0.0840

when padrao_proposto_07 = 'Alto' and tipo_edificacao_07 = 'LOJA' then 1.5173
when padrao_proposto_07 = 'Médio Alto' and tipo_edificacao_07 = 'LOJA' then 1.3596
when padrao_proposto_07 = 'Médio' and tipo_edificacao_07 = 'LOJA' then 0.8969
when padrao_proposto_07 = 'Médio Baixo' and tipo_edificacao_07 = 'LOJA' then 0.6766
when padrao_proposto_07 = 'Baixo' and tipo_edificacao_07 = 'LOJA' then 0.5854

when padrao_proposto_07 = 'Alto' and tipo_edificacao_07 = 'SALA' then 1.5173
when padrao_proposto_07 = 'Médio Alto' and tipo_edificacao_07 = 'SALA' then 1.3596

```



```

        when "135_-_especie_edif_dif_07" = 7 then 0.70

else 1
end as f_tip_07,

'1' as f_ip_07,
'1' as f_toi_07

from (

select
    "999_-_numero_do_cadastro" as num_cad_07,
    "135_-_especie_edif_dif_07" as tipologia_07,
    "136_-_uso_edif_dif_07",
    right ("135_-_especie_edif_dif_07", 1) as padrao_atual_07,
case when "135_-_especie_edif_dif_07" = 'CSHA' then          'Médio Alto'
when "135_-_especie_edif_dif_07" = 'CSHM' then            'Médio'
when "135_-_especie_edif_dif_07" = 'CSHB' then            'Médio Baixo'
when "135_-_especie_edif_dif_07" = 'CSVA' then            'Médio Alto'
when "135_-_especie_edif_dif_07" = 'CSVM' then            'Médio'
when "135_-_especie_edif_dif_07" = 'CSVB' then            'Médio Baixo'
when "135_-_especie_edif_dif_07" = 'GA' then              'Alto'
when "135_-_especie_edif_dif_07" = 'GM' then              'Médio'
when "135_-_especie_edif_dif_07" = 'GB' then              'Médio Baixo'
when "135_-_especie_edif_dif_07" = 'GP' then              'Baixo'
when "135_-_especie_edif_dif_07" = 'RHL' then             'Alto'
when "135_-_especie_edif_dif_07" = 'RHA' then             'Médio Alto'
when "135_-_especie_edif_dif_07" = 'RHM' then             'Médio'
when "135_-_especie_edif_dif_07" = 'RHB' then             'Médio Baixo'
when "135_-_especie_edif_dif_07" = 'RHP' then             'Baixo'
when "135_-_especie_edif_dif_07" = 'RVL' then             'Alto'
when "135_-_especie_edif_dif_07" = 'RVA' then             'Médio Alto'
when "135_-_especie_edif_dif_07" = 'RVM' then             'Médio'
when "135_-_especie_edif_dif_07" = 'RVB' then             'Médio'
else 'Médio'
end as padrao_proposto_07,

case when "135_-_especie_edif_dif_07" = 'CSHA' then          'Único'
when "135_-_especie_edif_dif_07" = 'CSHM' then            'Único'
when "135_-_especie_edif_dif_07" = 'CSHB' then            'Único'
when "135_-_especie_edif_dif_07" = 'CSVA' then            'Condomínio Vertical'
when "135_-_especie_edif_dif_07" = 'CSVM' then            'Condomínio Vertical'
when "135_-_especie_edif_dif_07" = 'CSVB' then            'Condomínio Vertical'
when "135_-_especie_edif_dif_07" = 'GA' then              'Único'
when "135_-_especie_edif_dif_07" = 'GM' then              'Único'
when "135_-_especie_edif_dif_07" = 'GB' then              'Único'
when "135_-_especie_edif_dif_07" = 'GP' then              'Único'
when "135_-_especie_edif_dif_07" = 'RHL' then             'Único'
when "135_-_especie_edif_dif_07" = 'RHA' then             'Único'
when "135_-_especie_edif_dif_07" = 'RHM' then             'Único'
when "135_-_especie_edif_dif_07" = 'RHB' then             'Único'
when "135_-_especie_edif_dif_07" = 'RHP' then             'Único'
when "135_-_especie_edif_dif_07" = 'RVL' then             'Condomínio Vertical'
when "135_-_especie_edif_dif_07" = 'RVA' then             'Condomínio Vertical'
when "135_-_especie_edif_dif_07" = 'RVM' then             'Condomínio Vertical'
when "135_-_especie_edif_dif_07" = 'RVB' then             'Condomínio Vertical'

else 'Único' -- optei po setar como medio
end as tipo_ocupacao_07,
"135_-_especie_edif_dif_07"::numeric,

case when "135_-_especie_edif_dif_07"::numeric = 1 then 'CASA'
when "135_-_especie_edif_dif_07"::numeric = 2 then 'APTO.'
when "135_-_especie_edif_dif_07"::numeric = 3 then 'BARRACÃO'
when "135_-_especie_edif_dif_07"::numeric = 4 then 'LOJA'
when "135_-_especie_edif_dif_07"::numeric = 5 then 'SALA'
when "135_-_especie_edif_dif_07"::numeric = 6 then 'GALPÃO'
when "135_-_especie_edif_dif_07"::numeric = 7 then 'GARAGEM'
when "135_-_especie_edif_dif_07"::numeric = 8 then 'TERRAÇO'
when "135_-_especie_edif_dif_07"::numeric = 9 then 'PORÃO'
when "135_-_especie_edif_dif_07"::numeric = 10 then 'IGREJA'
when "135_-_especie_edif_dif_07"::numeric = 11 then 'GINÁSIO'
when "135_-_especie_edif_dif_07"::numeric = 12 then 'ESTÁDIO'
when "135_-_especie_edif_dif_07"::numeric = 13 then 'QUADRA COBERTA'

```

```

when "135_-_especie_edif_dif_07"::numeric = 14 then 'QUADRA DESCOBERTA'
when "135_-_especie_edif_dif_07"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_07,

"137_-_conserv_edif_dif_07"::numeric,
"139_-_area_edif_dif_07" as area_unidade_07
from
    public.cadastro c
)cc where tipo_ocupacao_07 = 'Único' or tipo_edificacao_07 = 'CASA'

) a07

on a0."999_-_numero_do_cadastro" = a07.num_cad_07

left join

(
select *,

case
    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'CASA' then 1.5173
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'CASA' then 1.3596
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'CASA' then 0.8969
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'CASA' then 0.6766
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'CASA' then 0.5854

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'APTO.' then 1.5173
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'APTO.' then 1.3596
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'APTO.' then 0.8969
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'APTO.' then 0.6766
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'APTO.' then 0.5854

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'BARRACÃO' then 0.4580
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'BARRACÃO' then 0.4090
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'BARRACÃO' then 0.3135
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'BARRACÃO' then 0.1910
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'BARRACÃO' then 0.0840

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'LOJA' then 1.5173
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'LOJA' then 1.3596
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'LOJA' then 0.8969
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'LOJA' then 0.6766
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'LOJA' then 0.5854

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'SALA' then 1.5173
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'SALA' then 1.3596
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'SALA' then 0.8969
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'SALA' then 0.6766
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'SALA' then 0.5854

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'GALPÃO' then 0.9160
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'GALPÃO' then 0.8179
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'GALPÃO' then 0.6270
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'GALPÃO' then 0.3817
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'GALPÃO' then 0.0840

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'GARAGEM' then 0.9160
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'GARAGEM' then 0.8179
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'GARAGEM' then 0.6270
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'GARAGEM' then 0.3817
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'GARAGEM' then 0.0840

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'TERRAÇO' then 0.9160
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'TERRAÇO' then 0.8179
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'TERRAÇO' then 0.6270
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'TERRAÇO' then 0.3817
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'TERRAÇO' then 0.0840

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'PORÃO' then 0.9160
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'PORÃO' then 0.8179
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'PORÃO' then 0.6270
    when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'PORÃO' then 0.3817
    when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'PORÃO' then 0.0840

    when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'IGREJA' then 0.9160
    when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'IGREJA' then 0.8179
    when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'IGREJA' then 0.6270

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when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'IGREJA' then 0.3817
when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'IGREJA' then 0.0840

when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'GINÁSIO' then 0.9160
when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'GINÁSIO' then 0.8179
when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'GINÁSIO' then 0.6270
when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'GINÁSIO' then 0.3817
when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'GINÁSIO' then 0.0840

when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'ESTÁDIO' then 1.0993
when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'ESTÁDIO' then 0.9815
when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'ESTÁDIO' then 0.7524
when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'ESTÁDIO' then 0.4580
when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'ESTÁDIO' then 0.0840

when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'QUADRA COBERTA' then 0.9160
when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'QUADRA COBERTA' then 0.8179
when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'QUADRA COBERTA' then 0.6270
when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'QUADRA COBERTA' then 0.3817
when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'QUADRA COBERTA' then 0.0840

when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'QUADRA DESCOBERTA' then 0.4580
when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'QUADRA DESCOBERTA' then 0.4090
when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'QUADRA DESCOBERTA' then 0.3135
when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'QUADRA DESCOBERTA' then 0.1910
when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'QUADRA DESCOBERTA' then 0.0840

when padrao_proposto_08 = 'Alto' and tipo_edificacao_08 = 'PISCINA' then 0.9160
when padrao_proposto_08 = 'Médio Alto' and tipo_edificacao_08 = 'PISCINA' then 0.8179
when padrao_proposto_08 = 'Médio' and tipo_edificacao_08 = 'PISCINA' then 0.6270
when padrao_proposto_08 = 'Médio Baixo' and tipo_edificacao_08 = 'PISCINA' then 0.3817
when padrao_proposto_08 = 'Baixo' and tipo_edificacao_08 = 'PISCINA' then 0.0840

end as f_pcv_08,

case when "143_-_conserv_edif_dif_08" = 1 then 1.00
when "143_-_conserv_edif_dif_08" = 2 then 0.98
when "143_-_conserv_edif_dif_08" = 3 then 0.90
when "143_-_conserv_edif_dif_08" = 4 then 0.80
when "143_-_conserv_edif_dif_08" = 5 then 0.65
else 1
end as f_co_08,

case when "141_-_especie_edif_dif_08" = 2 then 1
when "141_-_especie_edif_dif_08" = 4 then 1.20
when "141_-_especie_edif_dif_08" = 5 then 1.20
when "141_-_especie_edif_dif_08" = 7 then 0.70
else 1
end as f_tip_08,

'1' as f_ip_08,
'1' as f_toi_08

from (

select
"999_-_numero_do_cadastro" as num_cad_08,
"141_-_especie_edif_dif_08" as tipologia_08,
"142_-_uso_edif_dif_08",
right ("141_-_especie_edif_dif_08", 1) as padrao_atual_08,
case when "141_-_especie_edif_dif_08" = 'CSHA' then 'Médio Alto'
when "141_-_especie_edif_dif_08" = 'CSHM' then 'Médio'
when "141_-_especie_edif_dif_08" = 'CSHB' then 'Médio Baixo'
when "141_-_especie_edif_dif_08" = 'CSVA' then 'Médio Alto'
when "141_-_especie_edif_dif_08" = 'CSVM' then 'Médio'
when "141_-_especie_edif_dif_08" = 'CSVB' then 'Médio Baixo'
when "141_-_especie_edif_dif_08" = 'GA' then 'Alto'
when "141_-_especie_edif_dif_08" = 'GM' then 'Médio'
when "141_-_especie_edif_dif_08" = 'GB' then 'Médio Baixo'
when "141_-_especie_edif_dif_08" = 'GP' then 'Baixo'
when "141_-_especie_edif_dif_08" = 'RHL' then 'Alto'
when "141_-_especie_edif_dif_08" = 'RHA' then 'Médio Alto'
when "141_-_especie_edif_dif_08" = 'RHM' then 'Médio'
when "141_-_especie_edif_dif_08" = 'RHB' then 'Médio Baixo'

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when "141_-_especie_edif_dif_08" = 'RHP' then          'Baixo'
when "141_-_especie_edif_dif_08" = 'RVL' then          'Alto'
when "141_-_especie_edif_dif_08" = 'RVA' then          'Médio Alto'
when "141_-_especie_edif_dif_08" = 'RVM' then          'Médio'
when "141_-_especie_edif_dif_08" = 'RVB' then          'Médio'
else 'Médio'
end as padrao_proposto_08,

case when "141_-_especie_edif_dif_08" = 'CSHA' then    'Único'
when "141_-_especie_edif_dif_08" = 'CSHM' then        'Único'
when "141_-_especie_edif_dif_08" = 'CSHB' then        'Único'
when "141_-_especie_edif_dif_08" = 'CSVA' then        'Condomínio Vertical'
when "141_-_especie_edif_dif_08" = 'CSVM' then        'Condomínio Vertical'
when "141_-_especie_edif_dif_08" = 'CSVB' then        'Condomínio Vertical'
when "141_-_especie_edif_dif_08" = 'GA' then          'Único'
when "141_-_especie_edif_dif_08" = 'GM' then          'Único'
when "141_-_especie_edif_dif_08" = 'GB' then          'Único'
when "141_-_especie_edif_dif_08" = 'GP' then          'Único'
when "141_-_especie_edif_dif_08" = 'RHL' then        'Único'
when "141_-_especie_edif_dif_08" = 'RHA' then        'Único'
when "141_-_especie_edif_dif_08" = 'RHM' then        'Único'
when "141_-_especie_edif_dif_08" = 'RHB' then        'Único'
when "141_-_especie_edif_dif_08" = 'RHP' then        'Único'
when "141_-_especie_edif_dif_08" = 'RVL' then        'Condomínio Vertical'
when "141_-_especie_edif_dif_08" = 'RVA' then        'Condomínio Vertical'
when "141_-_especie_edif_dif_08" = 'RVM' then        'Condomínio Vertical'
when "141_-_especie_edif_dif_08" = 'RVB' then        'Condomínio Vertical'

else 'Único' -- optei po setar como medio
end as tipo_ocupacao_08,
"141_-_especie_edif_dif_08"::numeric,

case when "141_-_especie_edif_dif_08"::numeric = 1 then 'CASA'
when "141_-_especie_edif_dif_08"::numeric = 2 then 'APTO.'
when "141_-_especie_edif_dif_08"::numeric = 3 then 'BARRACÃO'
when "141_-_especie_edif_dif_08"::numeric = 4 then 'LOJA'
when "141_-_especie_edif_dif_08"::numeric = 5 then 'SALA'
when "141_-_especie_edif_dif_08"::numeric = 6 then 'GALPÃO'
when "141_-_especie_edif_dif_08"::numeric = 7 then 'GARAGEM'
when "141_-_especie_edif_dif_08"::numeric = 8 then 'TERRAÇO'
when "141_-_especie_edif_dif_08"::numeric = 9 then 'PORÃO'
when "141_-_especie_edif_dif_08"::numeric = 10 then 'IGREJA'
when "141_-_especie_edif_dif_08"::numeric = 11 then 'GINÁSIO'
when "141_-_especie_edif_dif_08"::numeric = 12 then 'ESTÁDIO'
when "141_-_especie_edif_dif_08"::numeric = 13 then 'QUADRA COBERTA'
when "141_-_especie_edif_dif_08"::numeric = 14 then 'QUADRA DESCOBERTA'
when "141_-_especie_edif_dif_08"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_08,

"143_-_conserv_edif_dif_08"::numeric,
"145_-_area_edif_dif_08" as area_unidade_08
from
public.cadastro c
)cc where tipo_ocupacao_08 = 'Único' or tipo_edificacao_08 = 'CASA'

) a08

on a0."999_-_numero_do_cadastro" = a08.num_cad_08

left join

(
select *,

case
when padrao_proposto_09 = 'Alto' and tipo_edificacao_09 = 'CASA' then 1.5173
when padrao_proposto_09 = 'Médio Alto' and tipo_edificacao_09 = 'CASA' then 1.3596
when padrao_proposto_09 = 'Médio' and tipo_edificacao_09 = 'CASA' then 0.8969
when padrao_proposto_09 = 'Médio Baixo' and tipo_edificacao_09 = 'CASA' then 0.6766
when padrao_proposto_09 = 'Baixo' and tipo_edificacao_09 = 'CASA' then 0.5854

when padrao_proposto_09 = 'Alto' and tipo_edificacao_09 = 'APTO.' then 1.5173
when padrao_proposto_09 = 'Médio Alto' and tipo_edificacao_09 = 'APTO.' then 1.3596
when padrao_proposto_09 = 'Médio' and tipo_edificacao_09 = 'APTO.' then 0.8969
when padrao_proposto_09 = 'Médio Baixo' and tipo_edificacao_09 = 'APTO.' then 0.6766
when padrao_proposto_09 = 'Baixo' and tipo_edificacao_09 = 'APTO.' then 0.5854

```

[illegible]

```

        when padrao_proposto_09 = 'Baixo' and tipo_edificacao_09 = 'PISCINA' then 0.0840

    end as f_pcv_09,

    case when "149_-_conserv_edif_dif_09" = 1 then 1.00
        when "149_-_conserv_edif_dif_09" = 2 then 0.98
        when "149_-_conserv_edif_dif_09" = 3 then 0.90
        when "149_-_conserv_edif_dif_09" = 4 then 0.80
        when "149_-_conserv_edif_dif_09" = 5 then 0.65
    else 1
    end as f_co_09,

    case when "147_-_especie_edif_dif_09" = 2 then 1
        when "147_-_especie_edif_dif_09" = 4 then 1.20
        when "147_-_especie_edif_dif_09" = 5 then 1.20
        when "147_-_especie_edif_dif_09" = 7 then 0.70
    else 1
    end as f_tip_09,

    '1' as f_ip_09,
    '1' as f_toi_09

from (

select
    "999_-_numero_do_cadastro" as num_cad_09,
    "147_-_especie_edif_dif_09" as tipologia_09,
    "148_-_uso_edif_dif_09",
    right ("147_-_especie_edif_dif_09", 1) as padrao_atual_09,
    case when "147_-_especie_edif_dif_09" = 'CSHA' then 'Médio Alto'
    when "147_-_especie_edif_dif_09" = 'CSHM' then 'Médio'
    when "147_-_especie_edif_dif_09" = 'CSHB' then 'Médio Baixo'
    when "147_-_especie_edif_dif_09" = 'CSVA' then 'Médio Alto'
    when "147_-_especie_edif_dif_09" = 'CSVM' then 'Médio'
    when "147_-_especie_edif_dif_09" = 'CSVB' then 'Médio Baixo'
    when "147_-_especie_edif_dif_09" = 'GA' then 'Alto'
    when "147_-_especie_edif_dif_09" = 'GM' then 'Médio'
    when "147_-_especie_edif_dif_09" = 'GB' then 'Médio Baixo'
    when "147_-_especie_edif_dif_09" = 'GP' then 'Baixo'
    when "147_-_especie_edif_dif_09" = 'RHL' then 'Alto'
    when "147_-_especie_edif_dif_09" = 'RHA' then 'Médio Alto'
    when "147_-_especie_edif_dif_09" = 'RHM' then 'Médio'
    when "147_-_especie_edif_dif_09" = 'RHB' then 'Médio Baixo'
    when "147_-_especie_edif_dif_09" = 'RHP' then 'Baixo'
    when "147_-_especie_edif_dif_09" = 'RVL' then 'Alto'
    when "147_-_especie_edif_dif_09" = 'RVA' then 'Médio Alto'
    when "147_-_especie_edif_dif_09" = 'RVM' then 'Médio'
    when "147_-_especie_edif_dif_09" = 'RVB' then 'Médio'
    else 'Médio'
    end as padrao_proposto_09,

    case when "147_-_especie_edif_dif_09" = 'CSHA' then 'Único'
    when "147_-_especie_edif_dif_09" = 'CSHM' then 'Único'
    when "147_-_especie_edif_dif_09" = 'CSHB' then 'Único'
    when "147_-_especie_edif_dif_09" = 'CSVA' then 'Condomínio Vertical'
    when "147_-_especie_edif_dif_09" = 'CSVM' then 'Condomínio Vertical'
    when "147_-_especie_edif_dif_09" = 'CSVB' then 'Condomínio Vertical'
    when "147_-_especie_edif_dif_09" = 'GA' then 'Único'
    when "147_-_especie_edif_dif_09" = 'GM' then 'Único'
    when "147_-_especie_edif_dif_09" = 'GB' then 'Único'
    when "147_-_especie_edif_dif_09" = 'GP' then 'Único'
    when "147_-_especie_edif_dif_09" = 'RHL' then 'Único'
    when "147_-_especie_edif_dif_09" = 'RHA' then 'Único'
    when "147_-_especie_edif_dif_09" = 'RHM' then 'Único'
    when "147_-_especie_edif_dif_09" = 'RHB' then 'Único'
    when "147_-_especie_edif_dif_09" = 'RHP' then 'Único'
    when "147_-_especie_edif_dif_09" = 'RVL' then 'Condomínio Vertical'
    when "147_-_especie_edif_dif_09" = 'RVA' then 'Condomínio Vertical'
    when "147_-_especie_edif_dif_09" = 'RVM' then 'Condomínio Vertical'
    when "147_-_especie_edif_dif_09" = 'RVB' then 'Condomínio Vertical'
    else 'Único' -- optei po setar como medio
    end as tipo_ocupacao_09,

```



```

when padrao_proposto_10 = 'Alto' and tipo_edificacao_10 = 'TERRAÇO' then 0.9160
when padrao_proposto_10 = 'Médio Alto' and tipo_edificacao_10 = 'TERRAÇO' then 0.8179
when padrao_proposto_10 = 'Médio' and tipo_edificacao_10 = 'TERRAÇO' then 0.6270
when padrao_proposto_10 = 'Médio Baixo' and tipo_edificacao_10 = 'TERRAÇO' then 0.3817
when padrao_proposto_10 = 'Baixo' and tipo_edificacao_10 = 'TERRAÇO' then 0.0840

when padrao_proposto_10 = 'Alto' and tipo_edificacao_10 = 'PORÃO' then 0.9160
when padrao_proposto_10 = 'Médio Alto' and tipo_edificacao_10 = 'PORÃO' then 0.8179
when padrao_proposto_10 = 'Médio' and tipo_edificacao_10 = 'PORÃO' then 0.6270
when padrao_proposto_10 = 'Médio Baixo' and tipo_edificacao_10 = 'PORÃO' then 0.3817
when padrao_proposto_10 = 'Baixo' and tipo_edificacao_10 = 'PORÃO' then 0.0840

when padrao_proposto_10 = 'Alto' and tipo_edificacao_10 = 'IGREJA' then 0.9160
when padrao_proposto_10 = 'Médio Alto' and tipo_edificacao_10 = 'IGREJA' then 0.8179
when padrao_proposto_10 = 'Médio' and tipo_edificacao_10 = 'IGREJA' then 0.6270
when padrao_proposto_10 = 'Médio Baixo' and tipo_edificacao_10 = 'IGREJA' then 0.3817
when padrao_proposto_10 = 'Baixo' and tipo_edificacao_10 = 'IGREJA' then 0.0840

when padrao_proposto_10 = 'Alto' and tipo_edificacao_10 = 'GINÁSIO' then 0.9160
when padrao_proposto_10 = 'Médio Alto' and tipo_edificacao_10 = 'GINÁSIO' then 0.8179
when padrao_proposto_10 = 'Médio' and tipo_edificacao_10 = 'GINÁSIO' then 0.6270
when padrao_proposto_10 = 'Médio Baixo' and tipo_edificacao_10 = 'GINÁSIO' then 0.3817
when padrao_proposto_10 = 'Baixo' and tipo_edificacao_10 = 'GINÁSIO' then 0.0840

when padrao_proposto_10 = 'Alto' and tipo_edificacao_10 = 'ESTÁDIO' then 1.0993
when padrao_proposto_10 = 'Médio Alto' and tipo_edificacao_10 = 'ESTÁDIO' then 0.9815
when padrao_proposto_10 = 'Médio' and tipo_edificacao_10 = 'ESTÁDIO' then 0.7524
when padrao_proposto_10 = 'Médio Baixo' and tipo_edificacao_10 = 'ESTÁDIO' then 0.4580
when padrao_proposto_10 = 'Baixo' and tipo_edificacao_10 = 'ESTÁDIO' then 0.0840

when padrao_proposto_10 = 'Alto' and tipo_edificacao_10 = 'QUADRA COBERTA' then 0.9160
when padrao_proposto_10 = 'Médio Alto' and tipo_edificacao_10 = 'QUADRA COBERTA' then 0.8179
when padrao_proposto_10 = 'Médio' and tipo_edificacao_10 = 'QUADRA COBERTA' then 0.6270
when padrao_proposto_10 = 'Médio Baixo' and tipo_edificacao_10 = 'QUADRA COBERTA' then 0.3817
when padrao_proposto_10 = 'Baixo' and tipo_edificacao_10 = 'QUADRA COBERTA' then 0.0840

when padrao_proposto_10 = 'Alto' and tipo_edificacao_10 = 'QUADRA DESCOBERTA' then 0.4580
when padrao_proposto_10 = 'Médio Alto' and tipo_edificacao_10 = 'QUADRA DESCOBERTA' then 0.4090
when padrao_proposto_10 = 'Médio' and tipo_edificacao_10 = 'QUADRA DESCOBERTA' then 0.3135
when padrao_proposto_10 = 'Médio Baixo' and tipo_edificacao_10 = 'QUADRA DESCOBERTA' then 0.1910
when padrao_proposto_10 = 'Baixo' and tipo_edificacao_10 = 'QUADRA DESCOBERTA' then 0.0840

when padrao_proposto_10 = 'Alto' and tipo_edificacao_10 = 'PISCINA' then 0.9160
when padrao_proposto_10 = 'Médio Alto' and tipo_edificacao_10 = 'PISCINA' then 0.8179
when padrao_proposto_10 = 'Médio' and tipo_edificacao_10 = 'PISCINA' then 0.6270
when padrao_proposto_10 = 'Médio Baixo' and tipo_edificacao_10 = 'PISCINA' then 0.3817
when padrao_proposto_10 = 'Baixo' and tipo_edificacao_10 = 'PISCINA' then 0.0840

end as f_pcv_10,

case when "155_-_conserv_edif_dif_10" = 1 then 1.00
      when "155_-_conserv_edif_dif_10" = 2 then 0.98
      when "155_-_conserv_edif_dif_10" = 3 then 0.90
      when "155_-_conserv_edif_dif_10" = 4 then 0.80
      when "155_-_conserv_edif_dif_10" = 5 then 0.65
else 1
end as f_co_10,

case when "153_-_especie_edif_dif_10" = 2 then 1
      when "153_-_especie_edif_dif_10" = 4 then 1.20
      when "153_-_especie_edif_dif_10" = 5 then 1.20
      when "153_-_especie_edif_dif_10" = 7 then 0.70
else 1
end as f_tip_10,

'1' as f_ip_10,
'1' as f_toi_10

from (

select
  "999_-_numero_do_cadastro" as num_cad_10,
  "153_-_especie_edif_dif_10" as tipologia_10,

```

```

"154_-_uso_edif_dif_10",
right ("153_-_especie_edif_dif_10", 1) as padrao_atual_10,
case when "153_-_especie_edif_dif_10" = 'CSHA' then
when "153_-_especie_edif_dif_10" = 'CSHM' then
when "153_-_especie_edif_dif_10" = 'CSHB' then
when "153_-_especie_edif_dif_10" = 'CSVA' then
when "153_-_especie_edif_dif_10" = 'CSVM' then
when "153_-_especie_edif_dif_10" = 'CSVB' then
when "153_-_especie_edif_dif_10" = 'GA' then
when "153_-_especie_edif_dif_10" = 'GM' then
when "153_-_especie_edif_dif_10" = 'GB' then
when "153_-_especie_edif_dif_10" = 'GP' then
when "153_-_especie_edif_dif_10" = 'RHL' then
when "153_-_especie_edif_dif_10" = 'RHA' then
when "153_-_especie_edif_dif_10" = 'RHM' then
when "153_-_especie_edif_dif_10" = 'RHB' then
when "153_-_especie_edif_dif_10" = 'RHP' then
when "153_-_especie_edif_dif_10" = 'RVL' then
when "153_-_especie_edif_dif_10" = 'RVA' then
when "153_-_especie_edif_dif_10" = 'RVM' then
when "153_-_especie_edif_dif_10" = 'RVB' then
else 'Médio'
end as padrao_proposto_10,

'Médio Alto'
'Médio'
'Médio Baixo'
'Médio Alto'
'Médio'
'Médio Baixo'
'Alto'
'Médio'
'Médio Baixo'
'Baixo'
'Alto'
'Médio Alto'
'Médio'
'Médio Baixo'
'Baixo'
'Alto'
'Médio Alto'
'Médio'
'Médio'

case when "153_-_especie_edif_dif_10" = 'CSHA' then
when "153_-_especie_edif_dif_10" = 'CSHM' then
when "153_-_especie_edif_dif_10" = 'CSHB' then
when "153_-_especie_edif_dif_10" = 'CSVA' then
when "153_-_especie_edif_dif_10" = 'CSVM' then
when "153_-_especie_edif_dif_10" = 'CSVB' then
when "153_-_especie_edif_dif_10" = 'GA' then
when "153_-_especie_edif_dif_10" = 'GM' then
when "153_-_especie_edif_dif_10" = 'GB' then
when "153_-_especie_edif_dif_10" = 'GP' then
when "153_-_especie_edif_dif_10" = 'RHL' then
when "153_-_especie_edif_dif_10" = 'RHA' then
when "153_-_especie_edif_dif_10" = 'RHM' then
when "153_-_especie_edif_dif_10" = 'RHB' then
when "153_-_especie_edif_dif_10" = 'RHP' then
when "153_-_especie_edif_dif_10" = 'RVL' then
when "153_-_especie_edif_dif_10" = 'RVA' then
when "153_-_especie_edif_dif_10" = 'RVM' then
when "153_-_especie_edif_dif_10" = 'RVB' then
else 'Único'
end as tipo_ocupacao_10,
"153_-_especie_edif_dif_10"::numeric,

'Único'
'Único'
'Condomínio Vertical'
'Condomínio Vertical'
'Condomínio Vertical'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Único'
'Condomínio Vertical'
'Condomínio Vertical'
'Condomínio Vertical'
'Condomínio Vertical'

-- optei po setar como medio
end as tipo_ocupacao_10,
"153_-_especie_edif_dif_10"::numeric,

case when "153_-_especie_edif_dif_10"::numeric = 1 then 'CASA'
when "153_-_especie_edif_dif_10"::numeric = 2 then 'APTO.'
when "153_-_especie_edif_dif_10"::numeric = 3 then 'BARRACÃO'
when "153_-_especie_edif_dif_10"::numeric = 4 then 'LOJA'
when "153_-_especie_edif_dif_10"::numeric = 5 then 'SALA'
when "153_-_especie_edif_dif_10"::numeric = 6 then 'GALPÃO'
when "153_-_especie_edif_dif_10"::numeric = 7 then 'GARAGEM'
when "153_-_especie_edif_dif_10"::numeric = 8 then 'TERRAÇO'
when "153_-_especie_edif_dif_10"::numeric = 9 then 'PORÃO'
when "153_-_especie_edif_dif_10"::numeric = 10 then 'IGREJA'
when "153_-_especie_edif_dif_10"::numeric = 11 then 'GINÁSIO'
when "153_-_especie_edif_dif_10"::numeric = 12 then 'ESTÁDIO'
when "153_-_especie_edif_dif_10"::numeric = 13 then 'QUADRA COBERTA'
when "153_-_especie_edif_dif_10"::numeric = 14 then 'QUADRA DESCOBERTA'
when "153_-_especie_edif_dif_10"::numeric = 15 then 'PISCINA'
end as tipo_edificacao_10,

"155_-_conserv_edif_dif_10"::numeric,
"157_-_area_edif_dif_10" as area_unidade_10
from
public.cadastro c
)cc where tipo_ocupacao_10 = 'Único' or tipo_edificacao_10 = 'CASA'

) a10

on a0."999_-_numero_do_cadastro" = a10.num_cad_10

```

 ----- TERRITORIAIS -----

$Vvt = [At \times Vmq \times (F1 \times F2 \times F3 \times F4 \times F5 \times F6 \times F7 \times F8)] \times Fat$

```
select ("65_-_area_terreno" * vmq * (f_testada * f_area * f_sq * f_top * f_pd * f_pav * f_mp * f_to * 1/*ajuste*/))
as vvt, * from view_valores_e_fatores vvef
```

```
/*a) At: área total do terreno;
b) Vmq: valor do metro quadrado do lote de referência;
c) F1: fator de testada (Ft);
d) F2: fator de área (Fa);
e) F3: fator de situação na quadra (Fsq);
f) F4: fator de topografia (Ftop);
g) F5: fator de pedologia (Fpd);
h) F6: fator de pavimentação (Fpav);
i) F7: fator de melhoramentos públicos (Fmp);
j) F8: fator de tipo de ocupação (Fto);
k) Fat: fator de ajuste do valor cadastral de terreno
```

```
*/
```

```
--drop view variaveis_territoriais;
create or replace view variaveis_territoriais
```

```
as
```

```
select *, vvt * "160_-_fra_ideal_calculado"::numeric as vvt_fracao
```

```
from (
```

```
----- fator testada -----
```

```
select
```

```
case
```

```
when tipo_ocupacao_0 = 'Condomínio Vertical' then
```

```
round ("65_-_area_terreno" * vmq * (f_testada * f_area * f_sq * f_top * f_pd * f_pav * f_mp * f_to * 1/*ajuste*/),  
3)
```

```
when "999_-_numero_do_cadastro" in
```

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then 'unico'

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from


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  when "79_-_tipologia_edif_" = 'CSVA' then          'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'CSVM' then          'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'CSVB' then          'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'GA' then            'Único'
  when "79_-_tipologia_edif_" = 'GM' then            'Único'

```

```

when "79_-_tipologia_edif_" = 'GB' then      'Único'
when "79_-_tipologia_edif_" = 'GP' then      'Único'
when "79_-_tipologia_edif_" = 'RHL' then      'Único'
when "79_-_tipologia_edif_" = 'RHA' then      'Único'
when "79_-_tipologia_edif_" = 'RHM' then      'Único'
when "79_-_tipologia_edif_" = 'RHB' then      'Único'
when "79_-_tipologia_edif_" = 'RHP' then      'Único'
when "79_-_tipologia_edif_" = 'RVL' then      'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVA' then      'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVM' then      'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVB' then      'Condomínio Vertical'

else 'Único' -- optei po setar como medio
end as tipo_ocupacao_0,
"74_-_especie_edificacao":numeric,

"66_-_testada_principal_1":numeric,
case
  when "66_-_testada_principal_1":numeric <= 100 then 0.89 + (0.045 * (LN("66_-_testada_principal_1":numeric)))
  when "66_-_testada_principal_1":numeric > 100 then 1.10
end as f_testada,

"65_-_area_terreno":numeric,
case
  when "65_-_area_terreno":numeric <= 1800 then 1.434 - 0.074 * (LN("65_-_area_terreno":numeric))
  when "65_-_area_terreno":numeric > 1800 and "65_-_area_terreno":numeric <= 100000 then 2.046 - 0.154 * (LN("65_-_area_terreno":numeric))
  when "65_-_area_terreno":numeric > 100000 then 0.27
  else 1
end as f_area,

"57_-_situacao":numeric,
case
  when "57_-_situacao":numeric = 1 then 1
  when "57_-_situacao":numeric = 2 then 1.03
  when "57_-_situacao":numeric in (3,4,5,6) then 1.08
  when "57_-_situacao":numeric = 7 then 1
  when "57_-_situacao":numeric = 8 then 0.90
  when "57_-_situacao":numeric = 9 then 1 --aguardando everton

  else 1
end as f_sq,

"58_-_topografia":numeric,
case
  when "58_-_topografia":numeric = 1 then 1
  when "58_-_topografia":numeric = 2 then 0.95
  when "58_-_topografia":numeric = 3 then 0.90

  else 1
end as f_top,

"59_-_pedologia":numeric,
case
  when "59_-_pedologia":numeric = 1 then 1
  when "59_-_pedologia":numeric = 2 then 0.95
  when "59_-_pedologia":numeric = 3 then 0.90
  when "59_-_pedologia":numeric = 4 then 0.95

  else 1
end as f_pd,

"50_-_pavimentacao":numeric,
case
  when "50_-_pavimentacao":numeric = 1 then 1
  when "50_-_pavimentacao":numeric = 2 then 1
  when "50_-_pavimentacao":numeric = 3 then 1
  when "50_-_pavimentacao":numeric = 4 then 0.95

  else 1
end as f_pav,

```

```

    "53_-_agua":numeric,
    "51_-_esgoto":numeric,
    "54_-_drenagem":numeric,
    "46_-_iluminacao":numeric,
    case
        when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric != 2 then 1
        when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric = 2 then 0.95
        when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric = 2 then 0.92
        when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric = 2 then 0.90
        when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric != 2 then 0.95
        when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric = 2 then 0.92
        when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric != 2 then 0.92
        when "53_-_agua":numeric = 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric != 2 then 0.90
        when "53_-_agua":numeric = 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric != 2 then 0.89
        when "53_-_agua":numeric = 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric != 2 then 0.85
        when "53_-_agua":numeric = 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric = 2 then 0.80
    else 1
    end as f_mp,

    "56_-_ocupacao":numeric,

    case
        when "56_-_ocupacao":numeric = 1 then 1
        when "56_-_ocupacao":numeric = 2 then 1
    else 1
    end as f_to,
    vmq
from
    public.cadastro c

) territorial

) territ

```

```

----- VVI FINAL
-----

```

```

--drop view view_valor_venal_imovel
create view view_valor_venal_imovel

as

select vu.*, vt.*, (vvt_fracao + vc_total) * 1 * 1 * 1 as vvi

```

```

    from (select "999_-_numero_do_cadastro" as vt_cad, vvt, vvt_fracao from variaveis_territoriais) vt
    inner join (select "999_-_numero_do_cadastro", vc_0, vc_01, vc_02, vc_03, vc_04, vc_05, vc_06, vc_07, vc_08,
vc_09, vc_10, vc_total from variaveis_unicos) vu
    on vt.vt_cad = vu."999_-_numero_do_cadastro"

```

```

----- APOIO
-----

```

```

--select "999_-_numero_do_cadastro", "159_-_area_edif__unidade"::numeric, "65_-_area_terreno", "81_-_area_unidade"
--from cadastro

```

```

----- fator testada -----

```

```

select
  "999_-_numero_do_cadastro",
  "66_-_testada_principal_1"::numeric,
  case
    when "66_-_testada_principal_1"::numeric <= 100 then 0.89::numeric + (0.045 * (LN("66_-
_testada_principal_1"::numeric)))
    when "66_-_testada_principal_1"::numeric > 100 then 1.10
  end as f_testada
from
  public.cadastro c

```

```

----- fator area -----

```

```

select
  "999_-_numero_do_cadastro",
  "65_-_area_terreno"::numeric,
  case
    when "65_-_area_terreno"::numeric <= 1800 then 1.434 - 0.074 *(ln("65_-_area_terreno"::numeric))
    when "65_-_area_terreno"::numeric > 1800 and "65_-_area_terreno"::numeric <= 100000 then 2.046 - 0.154 *
(ln("65_-_area_terreno"::numeric))
    when "65_-_area_terreno"::numeric > 100000 then 0.27
    else 1
  end as f_area
from
  public.cadastro c

```

```

----- fator situação de quadra -----

```

```

select
  "999_-_numero_do_cadastro",
  "57_-_situacao"::numeric,
  case
    when "57_-_situacao"::numeric = 1 then 1
    when "57_-_situacao"::numeric = 2 then 1.03
    when "57_-_situacao"::numeric in (3,4,5,6) then 1.08
    when "57_-_situacao"::numeric = 7 then 1
    when "57_-_situacao"::numeric = 8 then 0.90
    when "57_-_situacao"::numeric = 9 then 1

    else 1
  end as f_sq
from
  public.cadastro c

----- fator topografia -----
union
select
  "999_-_numero_do_cadastro",
  "58_-_topografia"::numeric,
  case
    when "58_-_topografia"::numeric = 1 then 1
    when "58_-_topografia"::numeric = 2 then 0.95
    when "58_-_topografia"::numeric = 3 then 0.90

    else 1
  end as f_top
from
  public.cadastro c

union
----- fator pavimentacao -----

select
  "999_-_numero_do_cadastro",
  "50_-_pavimentacao"::numeric,
  case
    when "50_-_pavimentacao"::numeric = 1 then 1
    when "50_-_pavimentacao"::numeric = 2 then 1
    when "50_-_pavimentacao"::numeric = 3 then 1
    when "50_-_pavimentacao"::numeric = 3 then 0.95

    else 1
  end as f_pav
from
  public.cadastro c

union
----- fator melhoramentos publicos
--select distinct on ("54_-_drenagem") "54_-_drenagem", * from cadastro

select
  "999_-_numero_do_cadastro",
  "53_-_agua"::numeric,
  "51_-_esgoto"::numeric,
  "54_-_drenagem"::numeric,
  "46_-_iluminacao"::numeric,
  case
    when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric != 2 and "46_-_iluminacao"::numeric != 2 then 1
    when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric != 2 and "46_-_iluminacao"::numeric = 2 then 0.95
    when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric = 2 then 0.92
    when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric = 2 then 0.90
    when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric != 2 then 0.95
    when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric != 2 and "46_-_iluminacao"::numeric = 2 then 0.92
  end

```

```

        when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric = 2 and "46_-_
_iluminacao"::numeric != 2 then 0.92
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric != 2 and "46_-_
_iluminacao"::numeric != 2 then 0.90
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric != 2 and "46_-_
_iluminacao"::numeric != 2 then 0.89
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric = 2 and "46_-_
_iluminacao"::numeric != 2 then 0.85
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric = 2 and "46_-_
_iluminacao"::numeric = 2 then 0.80
        else 1
    end as f_mp
from
    public.cadastro c

```

union

----- fator ocupacao

select

"999_-_numero_do_cadastro",
 "56_-_ocupacao"::numeric,

case

when "56_-_ocupacao"::numeric = 1 then 1
 when "56_-_ocupacao"::numeric = 2 then 1
 else 1

end as f_to

from

public.cadastro c

```

select * from public.variaveis_territoriais vt where "999_-_numero_do_cadastro" in ('01011911198001')
select "53_-_agua" , "51_-_esgoto" , "54_-_drenagem" , "46_-_iluminacao" from cadastro c where "999_-_
_numero_do_cadastro" in ('01011911198001')

```

----- fator padrao construtivo - pc

-- extrair a ultima letra do codigo A, M, B, L, Etc e transformar no proposto pelo Everton

-- ler o codigo e pegar o padrão construtivo

-- ler o codigo e pegar o tipo de ocupacao

----- LISTA DE ERROS QUE ENVIAMOS PARA EVERTON

----- lista de problemas one a tipologia de tipo_ocupacao se difere em um mesmo lote -----

select * from (

select iq_lote, count (distinct tipo_ocupacao_0)

from

(

select count (iq_lote), iq_lote, tipo_ocupacao_0

from

(select

"999_-_numero_do_cadastro",

```

"160_-_fra__ideal_calculado"::numeric,
iq_lote,

case when "79_-_tipologia_edif_" = 'CSHA' then      'Único'
when "79_-_tipologia_edif_" = 'CSHM' then          'Único'
when "79_-_tipologia_edif_" = 'CSHB' then          'Único'
when "79_-_tipologia_edif_" = 'CSVA' then          'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'CSVM' then          'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'CSVB' then          'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'GA' then            'Único'
when "79_-_tipologia_edif_" = 'GM' then            'Único'
when "79_-_tipologia_edif_" = 'GB' then            'Único'
when "79_-_tipologia_edif_" = 'GP' then            'Único'
when "79_-_tipologia_edif_" = 'RHL' then            'Único'
when "79_-_tipologia_edif_" = 'RHA' then            'Único'
when "79_-_tipologia_edif_" = 'RHM' then            'Único'
when "79_-_tipologia_edif_" = 'RHB' then            'Único'
when "79_-_tipologia_edif_" = 'RHP' then            'Único'
when "79_-_tipologia_edif_" = 'RVL' then            'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVA' then            'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVM' then            'Condomínio Vertical'
when "79_-_tipologia_edif_" = 'RVB' then            'Condomínio Vertical'

else 'Único' -- optei po setar como medio
end as tipo_ocupacao_0,
"74_-_especie_edificacao"::numeric,

"66_-_testada_principal_1"::numeric,
case
  when "66_-_testada_principal_1"::numeric <= 100 then 0.89 + (0.045 * (LN("66_-_
_testada_principal_1"::numeric)))
  when "66_-_testada_principal_1"::numeric > 100 then 1.10
end as f_testada,

"65_-_area_terreno"::numeric,
case
  when "65_-_area_terreno"::numeric <= 1800 then 1.434 - 0.074 *(ln("65_-_area_terreno"::numeric))
  when "65_-_area_terreno"::numeric > 1800 and "65_-_area_terreno"::numeric <= 100000 then 2.046 - 0.154 *
(ln("65_-_area_terreno"::numeric))
  when "65_-_area_terreno"::numeric > 100000 then 0.27
  else 1
end as f_area,

"57_-_situacao"::numeric,
case
  when "57_-_situacao"::numeric = 1 then 1
  when "57_-_situacao"::numeric = 2 then 1.03
  when "57_-_situacao"::numeric in (3,4,5,6) then 1.08
  when "57_-_situacao"::numeric = 7 then 1
  when "57_-_situacao"::numeric = 8 then 0.90
  when "57_-_situacao"::numeric = 9 then 1 --aguardando everton

  else 1
end as f_sq,

"58_-_topografia"::numeric,
case
  when "58_-_topografia"::numeric = 1 then 1
  when "58_-_topografia"::numeric = 2 then 0.95
  when "58_-_topografia"::numeric = 3 then 0.90

  else 1
end as f_top,

"59_-_pedologia"::numeric,
case
  when "59_-_pedologia"::numeric = 1 then 1
  when "59_-_pedologia"::numeric = 2 then 0.95
  when "59_-_pedologia"::numeric = 3 then 0.90
  when "59_-_pedologia"::numeric = 4 then 0.95

  else 1
end as f_pd,

```

```

"50_-_pavimentacao":numeric,
case
  when "50_-_pavimentacao":numeric = 1 then 1
  when "50_-_pavimentacao":numeric = 2 then 1
  when "50_-_pavimentacao":numeric = 3 then 1
  when "50_-_pavimentacao":numeric = 4 then 0.95

else 1
end as f_pav,

"53_-_agua":numeric,
"51_-_esgoto":numeric,
"54_-_drenagem":numeric,
"46_-_iluminacao":numeric,
case
  when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric != 2 then 1
  when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric = 2 then 0.95
  when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric = 2 then 0.92
  when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric = 2 then 0.90
  when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric != 2 then 0.95
  when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric != 2 then 0.92
  when "53_-_agua":numeric != 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric != 2 then 0.92
  when "53_-_agua":numeric = 2 and "51_-_esgoto":numeric != 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric != 2 then 0.90
  when "53_-_agua":numeric = 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric != 2 and "46_-_iluminacao":numeric != 2 then 0.89
  when "53_-_agua":numeric = 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric != 2 then 0.85
  when "53_-_agua":numeric = 2 and "51_-_esgoto":numeric = 2 and "54_-_drenagem":numeric = 2 and "46_-_iluminacao":numeric = 2 then 0.80
else 1
end as f_mp,

"56_-_ocupacao":numeric,
case
  when "56_-_ocupacao":numeric = 1 then 1
  when "56_-_ocupacao":numeric = 2 then 1
else 1
end as f_to,
vmq
from
  public.cadastro c ) bb

group by iq_lote, tipo_ocupacao_0

) ccc

group by 1

) ddd

where count > 1

-entao
/* select

case when tipo_ocupacao_0 != 'Condomínio Vertical' then
round ("65_-_area_terreno" * "160_-_fra__ideal_calculado" * vmq * (f_testada * f_area * f_sq * f_top * f_pd * f_pav
* f_mp * f_to * 1/*ajuste*/), 3)
case when iq_lote in

('01054680438',

```

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```
, * from
```

```
(select
  "999_-_numero_do_cadastro",
  "160_-_fra_ideal_calculado"::numeric,
  iq_lote,

  case when "79_-_tipologia_edif_" = 'CSHA' then      'Único'
  when "79_-_tipologia_edif_" = 'CSHM' then          'Único'
  when "79_-_tipologia_edif_" = 'CSHB' then          'Único'
  when "79_-_tipologia_edif_" = 'CSVA' then          'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'CSVM' then          'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'CSVB' then          'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'GA' then            'Único'
  when "79_-_tipologia_edif_" = 'GM' then            'Único'
  when "79_-_tipologia_edif_" = 'GB' then            'Único'
  when "79_-_tipologia_edif_" = 'GP' then            'Único'
  when "79_-_tipologia_edif_" = 'RHL' then            'Único'
  when "79_-_tipologia_edif_" = 'RHA' then            'Único'
  when "79_-_tipologia_edif_" = 'RHM' then            'Único'
  when "79_-_tipologia_edif_" = 'RHB' then            'Único'
  when "79_-_tipologia_edif_" = 'RHP' then            'Único'
  when "79_-_tipologia_edif_" = 'RVL' then            'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'RVA' then            'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'RVM' then            'Condomínio Vertical'
  when "79_-_tipologia_edif_" = 'RVB' then            'Condomínio Vertical'

  else 'Único' -- optei po setar como medio
end as tipo_ocupacao_0,
"74_-_especie_edificacao"::numeric,

  "66_-_testada_principal_1"::numeric,
  case
    when "66_-_testada_principal_1"::numeric <= 100 then 0.89 + (0.045 * (LN("66_-_testada_principal_1"::numeric)))
    when "66_-_testada_principal_1"::numeric > 100 then 1.10
  end as f_testada,

  "65_-_area_terreno"::numeric,
  case
    when "65_-_area_terreno"::numeric <= 1800 then 1.434 - 0.074 *(ln("65_-_area_terreno"::numeric))
    when "65_-_area_terreno"::numeric > 1800 and "65_-_area_terreno"::numeric <= 100000 then 2.046 - 0.154 *(ln("65_-_area_terreno"::numeric))
    when "65_-_area_terreno"::numeric > 100000 then 0.27
    else 1
  end as f_area,

  "57_-_situacao"::numeric,
  case
    when "57_-_situacao"::numeric = 1 then 1
    when "57_-_situacao"::numeric = 2 then 1.03
    when "57_-_situacao"::numeric in (3,4,5,6) then 1.08
    when "57_-_situacao"::numeric = 7 then 1
    when "57_-_situacao"::numeric = 8 then 0.90
    when "57_-_situacao"::numeric = 9 then 1 --aguardando everton

    else 1
  end as f_sq,

  "58_-_topografia"::numeric,
  case
    when "58_-_topografia"::numeric = 1 then 1
    when "58_-_topografia"::numeric = 2 then 0.95
    when "58_-_topografia"::numeric = 3 then 0.90

    else 1
  end as f_top,

  "59_-_pedologia"::numeric,
  case
    when "59_-_pedologia"::numeric = 1 then 1
    when "59_-_pedologia"::numeric = 2 then 0.95
    when "59_-_pedologia"::numeric = 3 then 0.90
```

```

        when "59_-_pedologia"::numeric = 4 then 0.95

    else 1
    end as f_pd,

    "50_-_pavimentacao"::numeric,
    case
        when "50_-_pavimentacao"::numeric = 1 then 1
        when "50_-_pavimentacao"::numeric = 2 then 1
        when "50_-_pavimentacao"::numeric = 3 then 1
        when "50_-_pavimentacao"::numeric = 4 then 0.95

    else 1
    end as f_pav,

    "53_-_agua"::numeric,
    "51_-_esgoto"::numeric,
    "54_-_drenagem"::numeric,
    "46_-_iluminacao"::numeric,
    case
        when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric != 2 and "46_-_iluminacao"::numeric != 2 then 1
        when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric != 2 and "46_-_iluminacao"::numeric = 2 then 0.95
        when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric = 2 then 0.92
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric = 2 then 0.90
        when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric != 2 then 0.95
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric != 2 and "46_-_iluminacao"::numeric = 2 then 0.92
        when "53_-_agua"::numeric != 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric != 2 then 0.92
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric != 2 and "54_-_drenagem"::numeric != 2 and "46_-_iluminacao"::numeric != 2 then 0.90
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric != 2 and "46_-_iluminacao"::numeric != 2 then 0.89
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric != 2 then 0.85
        when "53_-_agua"::numeric = 2 and "51_-_esgoto"::numeric = 2 and "54_-_drenagem"::numeric = 2 and "46_-_iluminacao"::numeric = 2 then 0.80
    else 1
    end as f_mp,

    "56_-_ocupacao"::numeric,
    case
        when "56_-_ocupacao"::numeric = 1 then 1
        when "56_-_ocupacao"::numeric = 2 then 1
    else 1
    end as f_to,
    vmq
from
    public.cadastro c

) territorial

*/

else
round ("65_-_area_terreno" * vmq * (f_testada * f_area * f_sq * f_top * f_pd * f_pav * f_mp * f_to * 1/*ajuste*/),
3)

end as vvt

```

----- fator padrao construtivo - pc

```
select
  "999_-_numero_do_cadastro",
  "79_-_tipologia_edif_",
  "74_-_especie_edificacao"::numeric,
  "77_-_conservacao_edif_"::numeric,
  "75_-_uso_edificacao"::numeric
from
  public.cadastro c
```

```
select
  "999_-_numero_do_cadastro",
  "79_-_tipologia_edif_",
  "74_-_especie_edificacao"::numeric,
  case
    when "79_-_tipologia_edif_" = 'CSHA' and "79_-_tipologia_edif_" then 1
    when "74_-_especie_edificacao"::numeric = 2 then 1
    else 1
  end as f_pc
  "77_-_conservacao_edif_"::numeric,
  "75_-_uso_edificacao"::numeric,

from
  public.cadastro c
```

----- fator de conservacao - f_co

```
select
  "999_-_numero_do_cadastro",
  "77_-_conservacao_edif_"::numeric,

  case
    when "77_-_conservacao_edif_"::numeric = 1 then 1
    when "77_-_conservacao_edif_"::numeric = 2 then 0.98
    when "77_-_conservacao_edif_"::numeric = 3 then 0.90
    when "77_-_conservacao_edif_"::numeric = 4 then 0.80
    when "77_-_conservacao_edif_"::numeric = 5 then 0.65

    else 0.98 --todo imovel cadastrado incorretamente na base da prefeitura recebe o valor de 2 - BOM
  end as f_co
from
  public.cadastro c
```

```
--lista de erros pra prefeitura select "999_-_numero_do_cadastro", "77_-_conservacao_edif_"::numeric from
cadastro where "77_-_conservacao_edif_"::numeric not in (1,2,3,4,5)
```

----- primeiro populando os lotes com valores de log_seq atualizadas e vu atualizadas -----

```
--vu_pvg4 -- coluna que tem o valor do metro quadrado
-- update dos log_seq da base de cadastro de acordo com a malha de lotes que o everton irá mandar, pra depois chamar
o valor dos segmentos de logradouro PVG
```

```
-- primeiro populando um novo campo de secao de logradouros (ultima coluna chamada log_seq_maio2021 baseado na  
atualizacao de secoes de logradouro enviada pelo everton em maio)--
```

```
update cadastro set log_seq_maio2021 = tltr.log_seq
```

```
from
```

```
(
```

```
select * from temp_lotes_trechos_revisados_10_05_2021) tltr
```

```
where tltr.lot_insc_i = cadastro.iq_lote
```

```
-- agora popular o novo vu_pvg4 baseado no novo trecho de logradouro de maio
```

```
update cadastro set vmq = tltr.vu_pvg4
```

```
from
```

```
(
```

```
select log_seq, vu_pvg4 from temp_trechos_everton_final_maio
```

```
) tltr
```

```
where tltr.log_seq = cadastro.log_seq_maio2021
```