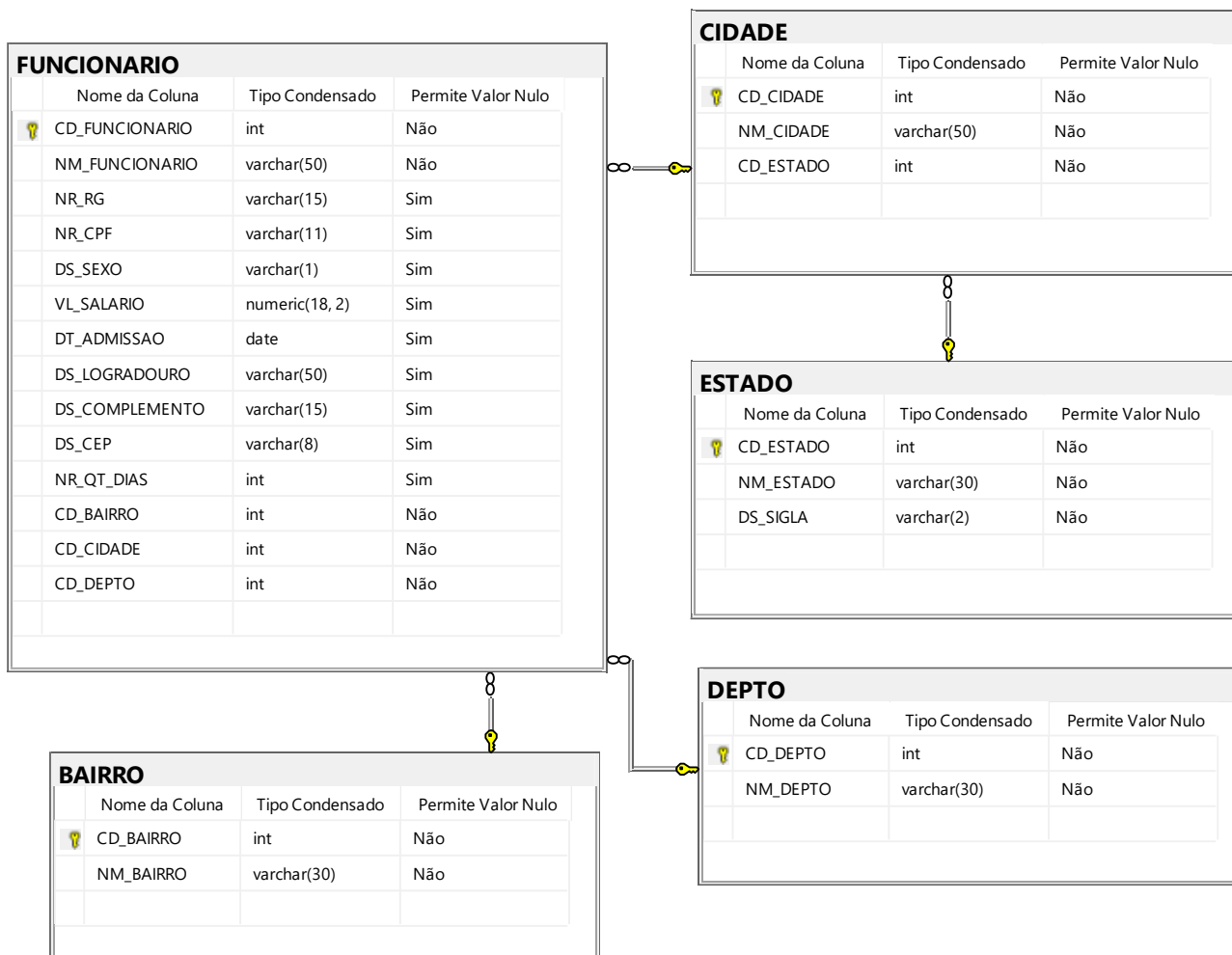


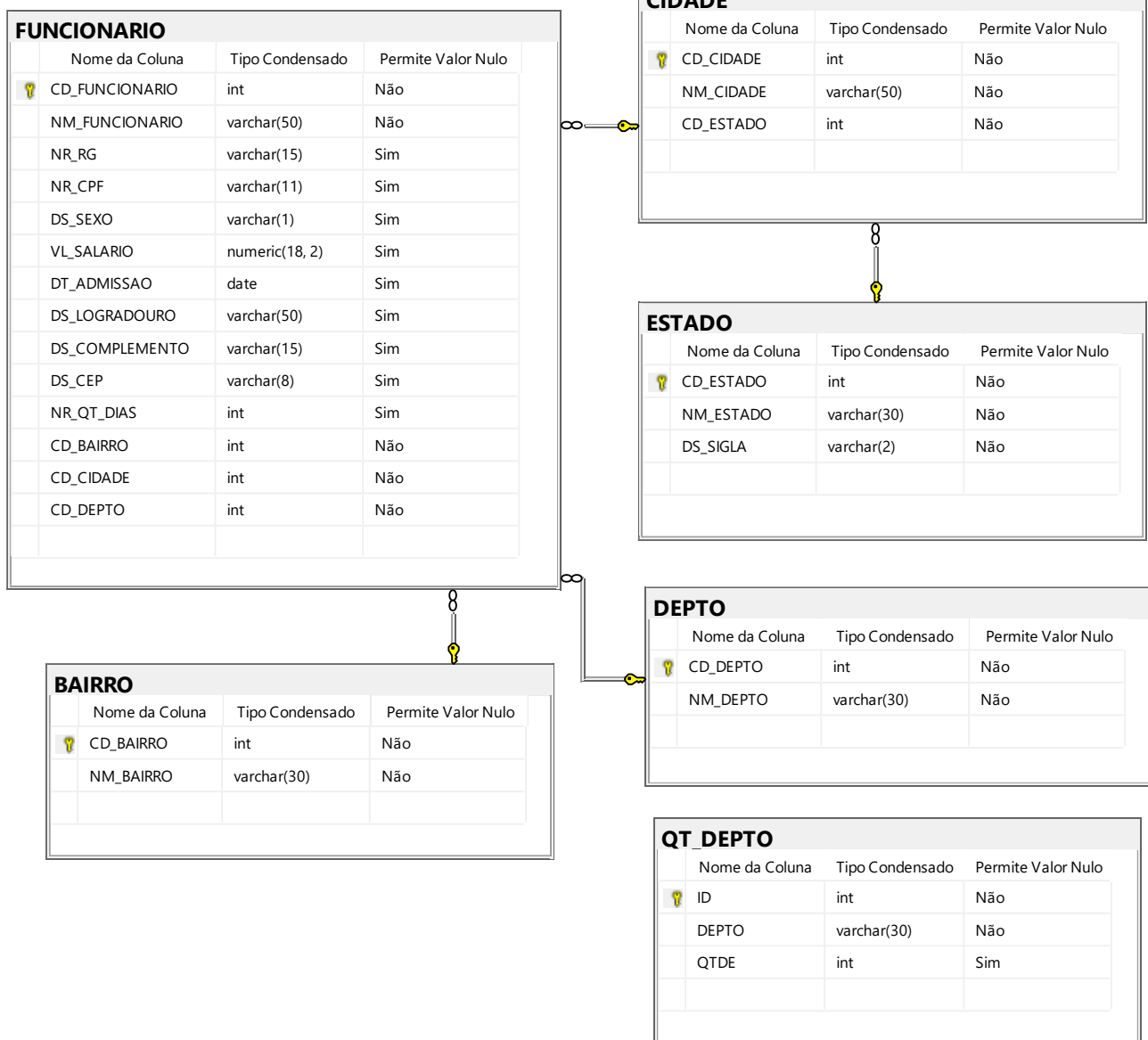
MODELO FÍSICO



```
--PESQUISA GERAL
SELECT NM_FUNCIONARIO, NM_DEPTO FROM FUNCIONARIO AS F
INNER JOIN DEPTO AS D ON D.CD_DEPTO = F.CD_DEPTO
ORDER BY NM_DEPTO
--USANDO A FUNÇÃO COUNT DE AGRUPAMENTO
SELECT NM_DEPTO, COUNT(*) AS 'QTDE' FROM FUNCIONARIO AS F
INNER JOIN DEPTO AS D ON D.CD_DEPTO = F.CD_DEPTO
GROUP BY NM_DEPTO
ORDER BY NM_DEPTO
--CRIAR UM VIEW
--ERRO COM ORDER BY
CREATE VIEW VW_DEPTO
AS
SELECT NM_DEPTO, COUNT(*) AS 'QTDE' FROM FUNCIONARIO AS F
INNER JOIN DEPTO AS D ON D.CD_DEPTO = F.CD_DEPTO
GROUP BY NM_DEPTO
ORDER BY NM_DEPTO
--CRIAR UM VIEW
CREATE VIEW VW_DEPTO
AS
SELECT NM_DEPTO, COUNT(*) AS 'QTDE' FROM FUNCIONARIO AS F
INNER JOIN DEPTO AS D ON D.CD_DEPTO = F.CD_DEPTO
GROUP BY NM_DEPTO
--PESQUISA COM A VIEW
SELECT * FROM VW_DEPTO ORDER BY NM_DEPTO
```

```
--CRIAR UMA TABELA
CREATE TABLE QT_DEPTO
(ID INT IDENTITY(1,1) NOT NULL,
DEPTO VARCHAR(30) NOT NULL,
QTDE INT NULL,
CONSTRAINT PK_QT_DEPTO PRIMARY KEY(ID))
--PESQUISA
SELECT * FROM QT_DEPTO
--INSERIR DADOS USANDO O SELECT COM INSERT
INSERT INTO QT_DEPTO
SELECT NM_DEPTO, COUNT(*) AS 'QTDE' FROM FUNCIONARIO AS F
INNER JOIN DEPTO AS D ON D.CD_DEPTO = F.CD_DEPTO
GROUP BY NM_DEPTO
--PESQUISA
SELECT * FROM QT_DEPTO
```

NOVO MODELO FÍSICO



```
--PESQUISA
SELECT * FROM QT_DEPTO
SELECT * FROM FUNCIONARIO
SELECT * FROM DEPTO
```

```
--PESQUISA ANTERIOR
SELECT NM_DEPTO,COUNT(*) AS 'QTDE' FROM FUNCIONARIO AS F
INNER JOIN DEPTO AS D ON D.CD_DEPTO = F.CD_DEPTO
GROUP BY NM_DEPTO
--ALTERAÇÃO MANUAL
UPDATE QT_DEPTO SET QTDE = QTDE + 1 WHERE DEPTO = 'ALMOXARIFADO'
--PESQUISA
SELECT * FROM QT_DEPTO
--CRIAR A TRIGGER
CREATE TRIGGER TR_INCLUI_FUNCIONARIO
ON FUNCIONARIO
FOR INSERT
AS
DECLARE @CD_DEPTO INT
DECLARE @NM_DEPTO VARCHAR(30)
SELECT @CD_DEPTO=CD_DEPTO FROM INSERTED
SELECT @NM_DEPTO=NM_DEPTO FROM DEPTO WHERE CD_DEPTO=@CD_DEPTO
UPDATE QT_DEPTO SET QTDE = QTDE + 1 WHERE DEPTO = @NM_DEPTO
--INSERIR NOVO FUNCIONARIO
INSERT INTO FUNCIONARIO VALUES
('RAUL',303,156,'M',10000,'29/03/2001','AV MIRUNA, 3000',NULL,'44011030',NULL,2,4,6)
--FUNCIONARIO DO CONTAS A PAGAR
SELECT * FROM FUNCIONARIO WHERE CD_DEPTO = 4
--CRIAR A TRIGGER
CREATE TRIGGER TR_EXCLUI_FUNCIONARIO
ON FUNCIONARIO
FOR DELETE
AS
DECLARE @CD_DEPTO INT
DECLARE @NM_DEPTO VARCHAR(30)
SELECT @CD_DEPTO=CD_DEPTO FROM DELETED
SELECT @NM_DEPTO=NM_DEPTO FROM DEPTO WHERE CD_DEPTO=@CD_DEPTO
UPDATE QT_DEPTO SET QTDE = QTDE - 1 WHERE DEPTO = @NM_DEPTO
--EXCLUIR UM FUNCIONARIO
DELETE FUNCIONARIO WHERE CD_FUNCIONARIO = 14
--PESQUISA
SELECT * FROM QT_DEPTO
--CRIAR A TRIGGER
CREATE TRIGGER TR_ALTERA_FUNCIONARIO
ON FUNCIONARIO
FOR UPDATE
AS
DECLARE @CD_DEPTO_ANTES INT,@CD_DEPTO_DEPOIS INT --ANTES USAR NO DELETED,DEPOIS NO INSERTED
DECLARE @NM_DEPTO_ANTES VARCHAR(30),@NM_DEPTO_DEPOIS VARCHAR(30)

SELECT @CD_DEPTO_ANTES=CD_DEPTO FROM DELETED
SELECT @NM_DEPTO_ANTES=NM_DEPTO FROM DEPTO WHERE CD_DEPTO=@CD_DEPTO_ANTES
UPDATE QT_DEPTO SET QTDE = QTDE - 1 WHERE DEPTO = @NM_DEPTO_ANTES

SELECT @CD_DEPTO_DEPOIS=CD_DEPTO FROM INSERTED
SELECT @NM_DEPTO_DEPOIS=NM_DEPTO FROM DEPTO WHERE CD_DEPTO=@CD_DEPTO_DEPOIS
UPDATE QT_DEPTO SET QTDE = QTDE + 1 WHERE DEPTO = @NM_DEPTO_DEPOIS

--FUNCIONARIO DO CONTAS A PAGAR
SELECT * FROM FUNCIONARIO WHERE CD_DEPTO = 1
--
SELECT * FROM QT_DEPTO
--1 ALMOXARIFADO 3
--2 CONTAS A PAGAR 4
--3 CONTAS A RECEBER 2
--4 DIRETORIA 2
--5 RH 5
```

```
--6      TI      2
--ATUALIZAR
UPDATE FUNCIONARIO SET CD_DEPTO = 3 WHERE CD_FUNCIONARIO = 7
--1      ALMOXARIFADO 3
--2      CONTAS A PAGAR      4
--3      CONTAS A RECEBER    2
--4      DIRETORIA      3
--5      RH      4
--6      TI      2
```