

Tabela criada

```
CREATE TABLE Tabela (
```

```
    ID_NF INT,
```

```
    ID_ITEM INT,
```

```
    COD_PROD INT,
```

```
    VALOR_UNIT DECIMAL(10, 2),
```

```
    QUANTIDADE INT,
```

```
    DESCONTO DECIMAL(5, 2)
```

```
);
```

```
INSERT INTO Tabela (ID_NF, ID_ITEM, COD_PROD, VALOR_UNIT, QUANTIDADE,  
DESCONTO)
```

```
VALUES
```

```
(1, 1, 1, 25, 10, 5),
```

```
(1, 2, 2, 13.5, 3, NULL),
```

```
(1, 3, 3, 15, 2, NULL),
```

```
(1, 4, 4, 10, 1, NULL),
```

```
(1, 5, 5, 30, 1, NULL),
```

```
(2, 1, 3, 15, 4, NULL),
```

```
(2, 2, 4, 10, 5, NULL),
```

```
(2, 3, 5, 30, 7, NULL),
```

```
(3, 1, 1, 25, 5, NULL),
```

```
(3, 2, 4, 10, 4, NULL),
```

```
(3, 3, 5, 30, 5, NULL),
```

```
(3, 4, 2, 13.5, 7, NULL),
```

```
(4, 1, 5, 30, 10, 15),
```

```
(4, 2, 4, 10, 12, 5),
```

```
(4, 3, 1, 25, 13, 5),
```

```
(4, 4, 2, 13.5, 15, 5),
```

```
(5, 1, 3, 15, 3, NULL),
```

```
(5, 2, 5, 30, 6, NULL),
```

```
(6, 1, 1, 25, 22, 15),
```

```
(6, 2, 3, 15, 25, 20),
```

```
(7, 1, 1, 25, 10, 3),
```

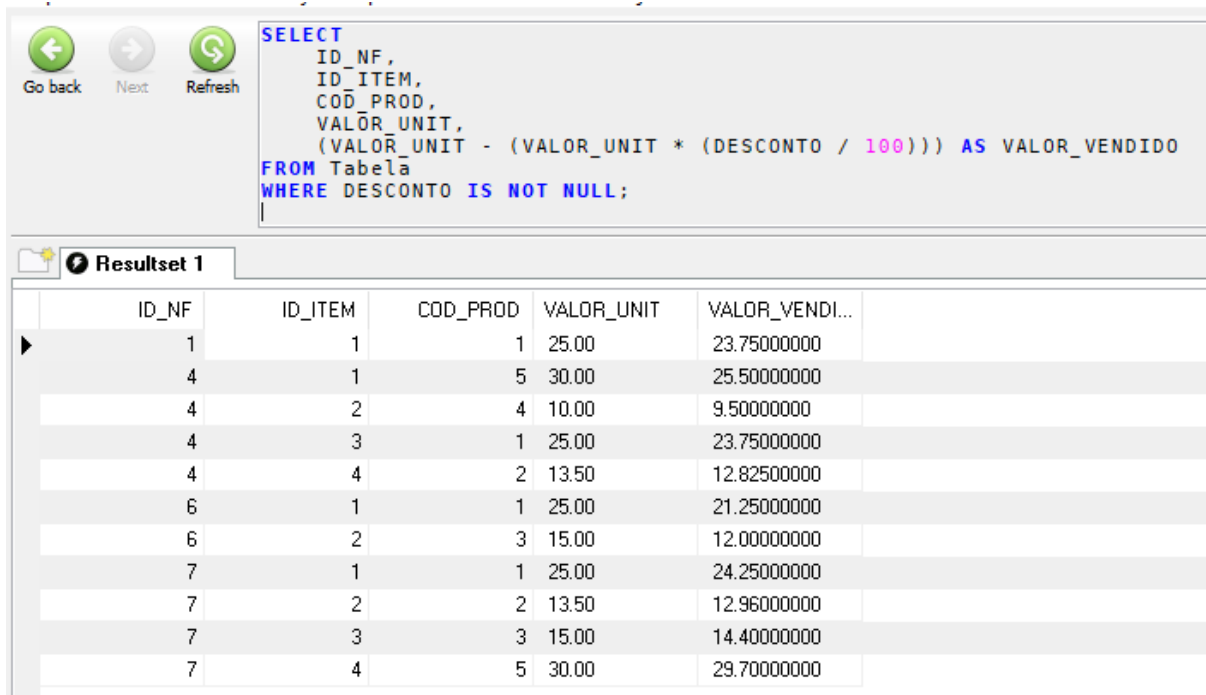
```
(7, 2, 2, 13.5, 10, 4),
```

```
(7, 3, 3, 15, 10, 4),
```

```
(7, 4, 5, 30, 10, 1);
```


2 -

```
SELECT
    ID_NF,
    ID_ITEM,
    COD_PROD,
    VALOR_UNIT,
    (VALOR_UNIT - (VALOR_UNIT * (DESCONTO / 100))) AS VALOR_VENDIDO
FROM Tabela
WHERE DESCONTO IS NOT NULL;
```



The screenshot shows a database query interface. At the top, there are three buttons: 'Go back', 'Next', and 'Refresh'. Below them is a text area containing the following SQL query:

```
SELECT
    ID_NF,
    ID_ITEM,
    COD_PROD,
    VALOR_UNIT,
    (VALOR_UNIT - (VALOR_UNIT * (DESCONTO / 100))) AS VALOR_VENDIDO
FROM Tabela
WHERE DESCONTO IS NOT NULL;
```

Below the query area, there is a tab labeled 'Resultset 1'. The results are displayed in a table with the following columns: ID_NF, ID_ITEM, COD_PROD, VALOR_UNIT, and VALOR_VENDI... (truncated). The table contains 13 rows of data.

| ID_NF | ID_ITEM | COD_PROD | VALOR_UNIT | VALOR_VENDI... |
|-------|---------|----------|------------|----------------|
| 1 | 1 | 1 | 25.00 | 23.75000000 |
| 4 | 1 | 5 | 30.00 | 25.50000000 |
| 4 | 2 | 4 | 10.00 | 9.50000000 |
| 4 | 3 | 1 | 25.00 | 23.75000000 |
| 4 | 4 | 2 | 13.50 | 12.82500000 |
| 6 | 1 | 1 | 25.00 | 21.25000000 |
| 6 | 2 | 3 | 15.00 | 12.00000000 |
| 7 | 1 | 1 | 25.00 | 24.25000000 |
| 7 | 2 | 2 | 13.50 | 12.96000000 |
| 7 | 3 | 3 | 15.00 | 14.40000000 |
| 7 | 4 | 5 | 30.00 | 29.70000000 |

3 - update tabela set desconto = 0 where desconto is null;

```
update tabela set desconto = 0 where desconto is null;
```

13 rows affected by the last command, no resultset returned.

4 -

```
select
ID_NF,
ID_ITEM,
COD_PROD,
VALOR_UNIT,
(QUANTIDADE * VALOR_UNIT) as VALOR_TOTAL,
DESCONTO,
(VALOR_UNIT - (VALOR_UNIT*(DESCONTO/100))) as VALOR_VENDIDO FROM Tabela;
```

Go back

Next

Refresh

```

ID_NF,
ID_ITEM,
COD_PROD,
VALOR_UNIT,
(QUANTIDADE * VALOR_UNIT) as VALOR_TOTAL,
DESCONTO,
(VALOR_UNIT - (VALOR_UNIT*(DESCONTO/100))) as VALOR_VENDIDO FROM Tabela;

```

Resultset 1

| ID_NF | ID_ITEM | COD_PROD | VALOR_UNIT | VALOR_TOTAL | DESCONTO | VALOR_VENDIDO |
|-------|---------|----------|------------|-------------|----------|---------------|
| 1 | 1 | 1 | 25.00 | 250.00 | 5.00 | 23.75000000 |
| 1 | 2 | 2 | 13.50 | 40.50 | 0.00 | 13.50000000 |
| 1 | 3 | 3 | 15.00 | 30.00 | 0.00 | 15.00000000 |
| 1 | 4 | 4 | 10.00 | 10.00 | 0.00 | 10.00000000 |
| 1 | 5 | 5 | 30.00 | 30.00 | 0.00 | 30.00000000 |
| 2 | 1 | 3 | 15.00 | 60.00 | 0.00 | 15.00000000 |
| 2 | 2 | 4 | 10.00 | 50.00 | 0.00 | 10.00000000 |
| 2 | 3 | 5 | 30.00 | 210.00 | 0.00 | 30.00000000 |
| 3 | 1 | 1 | 25.00 | 125.00 | 0.00 | 25.00000000 |
| 3 | 2 | 4 | 10.00 | 40.00 | 0.00 | 10.00000000 |
| 3 | 3 | 5 | 30.00 | 150.00 | 0.00 | 30.00000000 |
| 3 | 4 | 2 | 13.50 | 94.50 | 0.00 | 13.50000000 |
| 4 | 1 | 5 | 30.00 | 300.00 | 15.00 | 25.50000000 |
| 4 | 2 | 4 | 10.00 | 120.00 | 5.00 | 9.50000000 |
| 4 | 3 | 1 | 25.00 | 325.00 | 5.00 | 23.75000000 |
| 4 | 4 | 2 | 13.50 | 202.50 | 5.00 | 12.82500000 |
| 5 | 1 | 3 | 15.00 | 45.00 | 0.00 | 15.00000000 |
| 5 | 2 | 5 | 30.00 | 180.00 | 0.00 | 30.00000000 |
| 6 | 1 | 1 | 25.00 | 550.00 | 15.00 | 21.25000000 |
| 6 | 2 | 3 | 15.00 | 375.00 | 20.00 | 12.00000000 |
| 7 | 1 | 1 | 25.00 | 250.00 | 3.00 | 24.25000000 |
| 7 | 2 | 2 | 13.50 | 135.00 | 4.00 | 12.96000000 |
| 7 | 3 | 3 | 15.00 | 150.00 | 4.00 | 14.40000000 |

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```
SELECT
    ID_NF,
    SUM(QUANTIDADE * VALOR_UNIT) AS VALOR_TOTAL
FROM Tabela
GROUP BY ID_NF
ORDER BY VALOR_TOTAL DESC;
```

MySQL Query Browser - Connection: root@localhost:3306 / consys

Arquivo Editar View Query Script Ferramentas Janela Ajuda

Go back Next Refresh

```
SELECT
    ID_NF,
    SUM(QUANTIDADE * VALOR_UNIT) AS VALOR_TOTAL
FROM Tabela
GROUP BY ID_NF
ORDER BY VALOR_TOTAL DESC;
```

Resultset 1

| ID_NF | VALOR_TOTAL |
|-------|-------------|
| 4 | 947.50 |
| 6 | 925.00 |
| 7 | 835.00 |
| 3 | 409.50 |
| 1 | 360.50 |
| 2 | 320.00 |
| 5 | 225.00 |

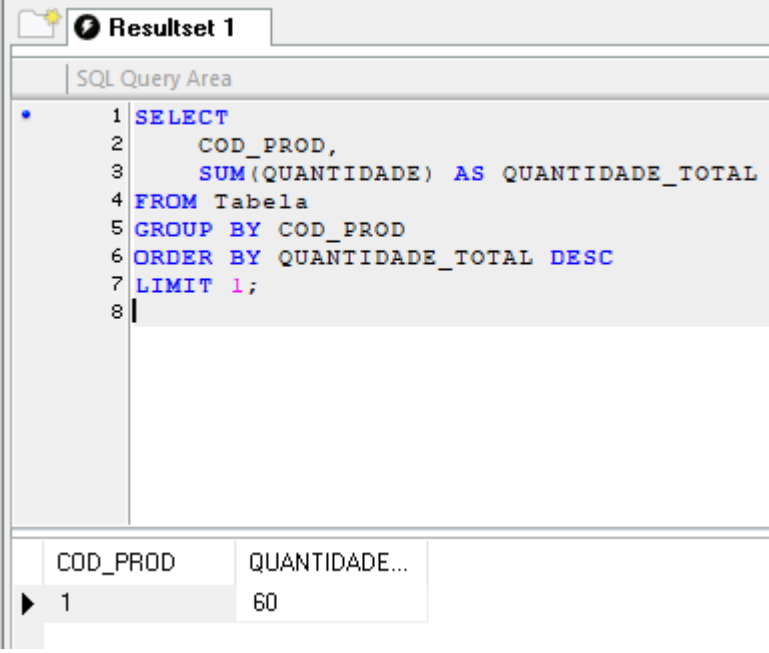
6 - (Acredito que o enunciado não esteja devido)

```
SELECT
    ID_NF,
    SUM(VALOR_UNIT - (VALOR_UNIT * (DESCONTO / 100))) AS VALOR_VENDIDO
FROM Tabela
GROUP BY ID_NF
ORDER BY VALOR_VENDIDO DESC;
```

| Resultset 1 | | |
|---|----------------|--|
| SQL Query Area | | |
| <pre>1 SELECT 2 ID_NF, 3 SUM(VALOR_UNIT - (VALOR_UNIT * (DESCONTO / 100))) AS VALOR_VENDIDO 4 FROM Tabela 5 GROUP BY ID_NF 6 ORDER BY VALOR_VENDIDO DESC; 7</pre> | | |
| ID_NF | VALOR_VENDI... | |
| 1 | 92.25000000 | |
| 7 | 81.31000000 | |
| 3 | 78.50000000 | |
| 4 | 71.57500000 | |
| 2 | 55.00000000 | |
| 5 | 45.00000000 | |
| 6 | 33.25000000 | |

7 -

```
SELECT
    COD_PROD,
    SUM(QUANTIDADE) AS QUANTIDADE_TOTAL
FROM Tabela
GROUP BY COD_PROD
ORDER BY QUANTIDADE_TOTAL DESC
LIMIT 1;
```



The screenshot shows a database query tool interface. At the top, there is a tab labeled "Resultset 1". Below it is the "SQL Query Area" containing the following SQL query:

```
1 SELECT
2     COD_PROD,
3     SUM(QUANTIDADE) AS QUANTIDADE_TOTAL
4 FROM Tabela
5 GROUP BY COD_PROD
6 ORDER BY QUANTIDADE_TOTAL DESC
7 LIMIT 1;
8
```

Below the query area, the results are displayed in a table with two columns: "COD_PROD" and "QUANTIDADE...". The first row shows the value "1" for "COD_PROD" and "60" for "QUANTIDADE...".

| COD_PROD | QUANTIDADE... |
|----------|---------------|
| 1 | 60 |

8-

```
SELECT
    ID_NF,
    COD_PROD,
    SUM(QUANTIDADE) AS QUANTIDADE
FROM Tabela
GROUP BY ID_NF, COD_PROD
HAVING SUM(QUANTIDADE) > 10;
```

| SQL Query Area | | | |
|---|----------|------------|--|
| <pre>1 SELECT 2 ID_NF, 3 COD_PROD, 4 SUM(QUANTIDADE) AS QUANTIDADE 5 FROM Tabela 6 GROUP BY ID_NF, COD_PROD 7 HAVING SUM(QUANTIDADE) > 10;</pre> | | | |
| ID_NF | COD_PROD | QUANTIDADE | |
| 4 | 1 | 13 | |
| 4 | 2 | 15 | |
| 4 | 4 | 12 | |
| 6 | 1 | 22 | |
| 6 | 3 | 25 | |

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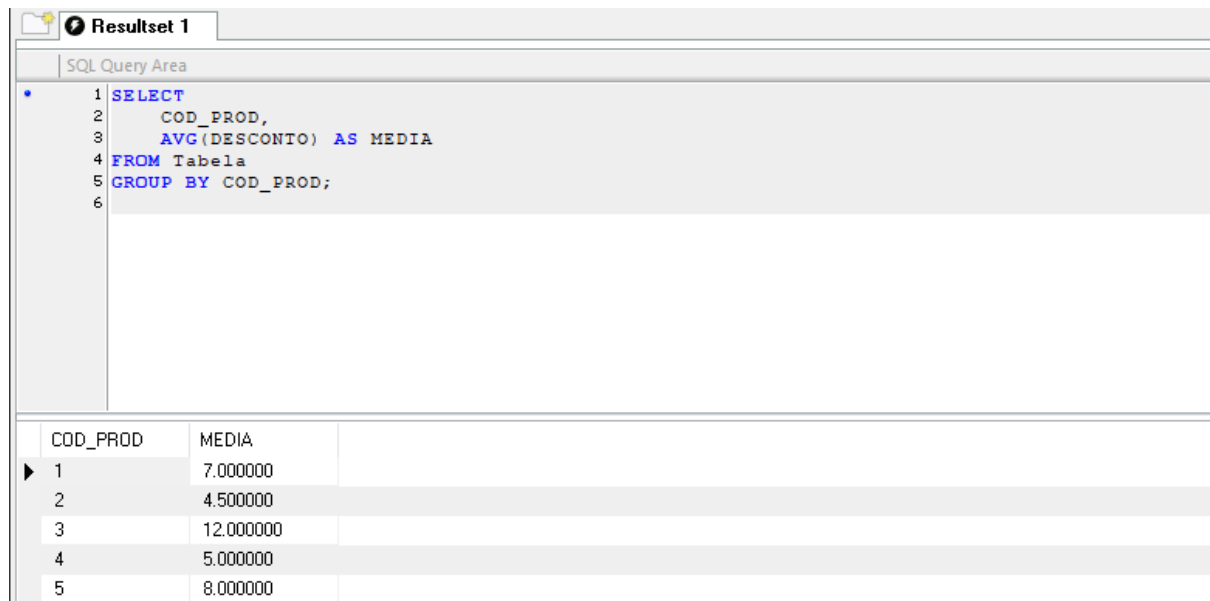
```
SELECT
    ID_NF,
    SUM(QUANTIDADE * VALOR_UNIT) AS VALOR_TOT
FROM Tabela
GROUP BY ID_NF
HAVING VALOR_TOT > 500
ORDER BY VALOR_TOT DESC;
```

| Resultset 1 | | |
|--|-----------|--|
| SQL Query Area | | |
| <pre>1 SELECT 2 ID_NF, 3 SUM(QUANTIDADE * VALOR_UNIT) AS VALOR_TOT 4 FROM Tabela 5 GROUP BY ID_NF 6 HAVING VALOR_TOT > 500 7 ORDER BY VALOR_TOT DESC; 8</pre> | | |
| ID_NF | VALOR_TOT | |
| 4 | 947.50 | |
| 6 | 925.00 | |
| 7 | 835.00 | |

10 -

```
SELECT
    COD_PROD,
    AVG(DESCONTO) AS MEDIA
FROM Tabela
GROUP BY COD_PROD;
```

(Tabela com desconto null)



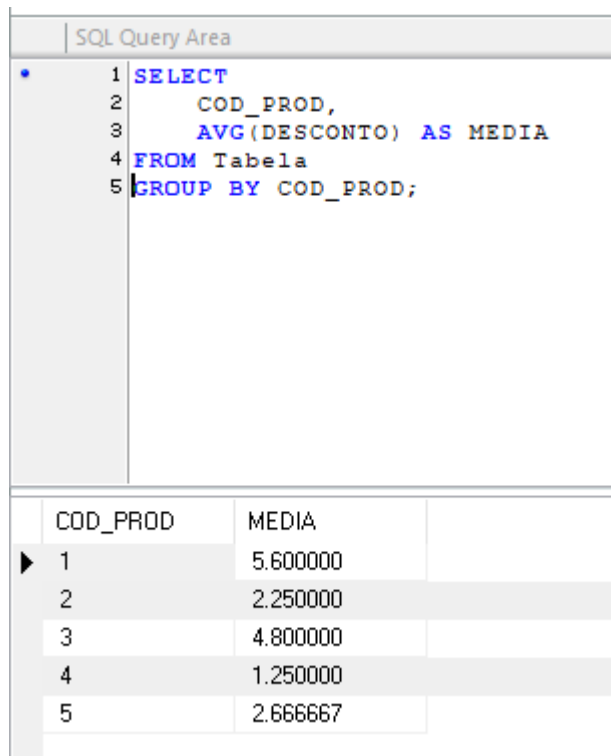
The screenshot shows a database query tool interface. At the top, there is a tab labeled "Resultset 1". Below it is the "SQL Query Area" containing the following SQL query:

```
1 SELECT
2     COD_PROD,
3     AVG(DESCONTO) AS MEDIA
4 FROM Tabela
5 GROUP BY COD_PROD;
```

Below the query area, the results are displayed in a table with two columns: "COD_PROD" and "MEDIA". The results are as follows:

| COD_PROD | MEDIA |
|----------|-----------|
| 1 | 7.000000 |
| 2 | 4.500000 |
| 3 | 12.000000 |
| 4 | 5.000000 |
| 5 | 8.000000 |

(Tabela com desconto 0)



The screenshot shows a database query tool interface. At the top, there is a tab labeled "SQL Query Area" containing the following SQL query:

```
1 SELECT
2     COD_PROD,
3     AVG(DESCONTO) AS MEDIA
4 FROM Tabela
5 GROUP BY COD_PROD;
```

Below the query area, the results are displayed in a table with two columns: "COD_PROD" and "MEDIA". The results are as follows:

| COD_PROD | MEDIA |
|----------|----------|
| 1 | 5.600000 |
| 2 | 2.250000 |
| 3 | 4.800000 |
| 4 | 1.250000 |
| 5 | 2.666667 |

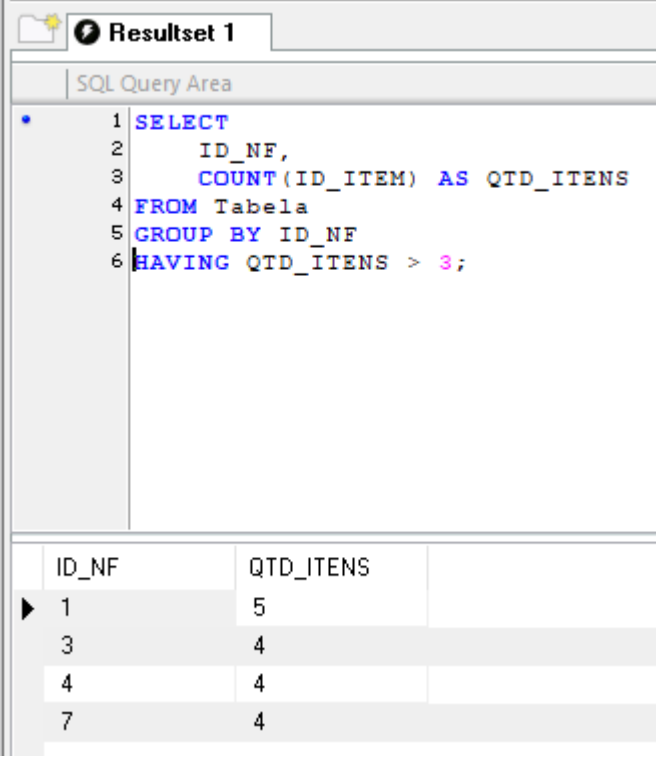
11 -

```
SELECT
    COD_PROD,
    MIN(DESCONTO) AS MENOR,
    MAX(DESCONTO) AS MAIOR,
    AVG(DESCONTO) AS MEDIA
FROM Tabela
GROUP BY COD_PROD;
```

| Resultset 1 | | | | |
|---|-------|-------|----------|--|
| SQL Query Area | | | | |
| <pre>1 SELECT 2 COD_PROD, 3 MIN(DESCONTO) AS MENOR, 4 MAX(DESCONTO) AS MAIOR, 5 AVG(DESCONTO) AS MEDIA 6 FROM Tabela 7 GROUP BY COD_PROD;</pre> | | | | |
| COD_PROD | MENOR | MAIOR | MEDIA | |
| 1 | 0.00 | 15.00 | 5.600000 | |
| 2 | 0.00 | 5.00 | 2.250000 | |
| 3 | 0.00 | 20.00 | 4.800000 | |
| 4 | 0.00 | 5.00 | 1.250000 | |
| 5 | 0.00 | 15.00 | 2.666667 | |

12 -

```
SELECT
    ID_NF,
    COUNT(ID_ITEM) AS QTD_ITENS
FROM Tabela
GROUP BY ID_NF
HAVING QTD_ITENS > 3;
```



The screenshot shows a database query tool interface. At the top, there is a tab labeled "Resultset 1". Below it is a section titled "SQL Query Area" containing the following SQL query:

```
1 SELECT
2     ID_NF,
3     COUNT(ID_ITEM) AS QTD_ITENS
4 FROM Tabela
5 GROUP BY ID_NF
6 HAVING QTD_ITENS > 3;
```

Below the query area, the results are displayed in a table with two columns: "ID_NF" and "QTD_ITENS". The table contains four rows of data, with the first row highlighted by a mouse cursor.

| ID_NF | QTD_ITENS |
|-------|-----------|
| 1 | 5 |
| 3 | 4 |
| 4 | 4 |
| 7 | 4 |