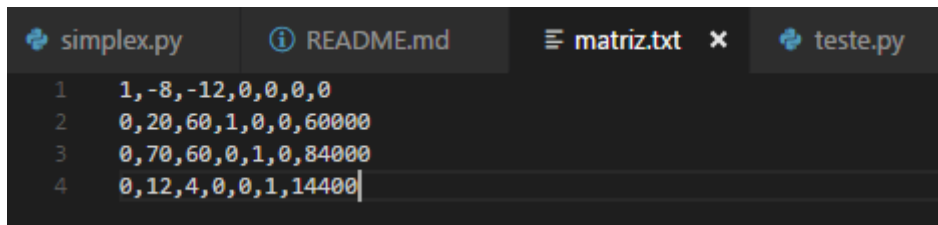


## Testes de implementação do algoritmo simplex

Nome: Bruno Inácio Souto Oliveira

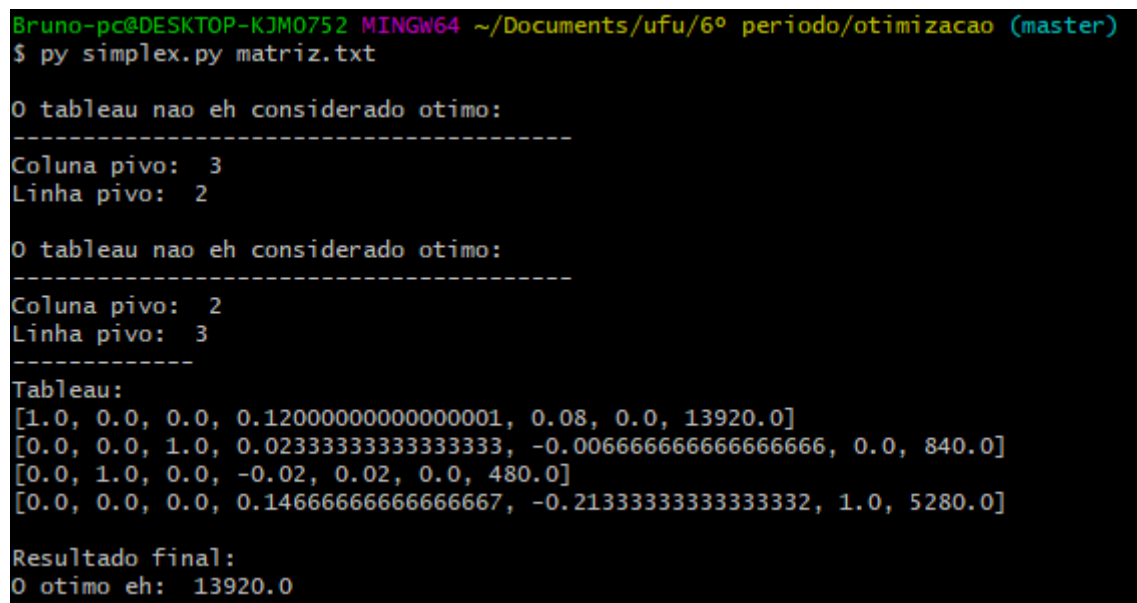
### 1º exemplo utilizado:



The screenshot shows a code editor with four tabs: 'simplex.py', 'README.md', 'matriz.txt', and 'teste.py'. The 'matriz.txt' tab is active, displaying a 4x7 matrix of numerical values. The matrix is as follows:

1	1	-8	-12	0	0	0
2	0	20	60	1	0	0
3	0	70	60	0	1	0
4	0	12	4	0	0	1

### Resultado do teste:



The screenshot shows a terminal window with the following output:

```
Bruno-pc@DESKTOP-KJM0752 MINGW64 ~/Documents/ufu/6º periodo/otimizacao (master)
$ py simplex.py matriz.txt

0 tableau nao eh considerado otimo:
-----
Coluna pivo: 3
Linha pivo: 2

0 tableau nao eh considerado otimo:
-----
Coluna pivo: 2
Linha pivo: 3
-----
Tableau:
[1.0, 0.0, 0.0, 0.12000000000000001, 0.08, 0.0, 13920.0]
[0.0, 0.0, 1.0, 0.023333333333333333, -0.006666666666666666, 0.0, 840.0]
[0.0, 1.0, 0.0, -0.02, 0.02, 0.0, 480.0]
[0.0, 0.0, 0.0, 0.14666666666666667, -0.21333333333333332, 1.0, 5280.0]

Resultado final:
0 otimo eh: 13920.0
```

## 2º exemplo utilizado

	simplex.py	README.md	matriz.txt	teste.py
1	1,-9,-17,-14,0,0,0,0			
2	0,30,65,20,1,0,0,84000			
3	0,65,63,80,0,1,0,26400			
4	0,19,7,2,0,0,1,19200			

Resultado do teste:

```
Bruno-pc@DESKTOP-KJM0752 MINGW64 ~/Documents/ufu/6º periodo/otimizacao (master)
$ py simplex.py matriz.txt

0 tableau nao eh considerado otimo:
-----
Coluna pivo: 3
Linha pivo: 3
-----
Tableau:
[1.0, 8.539682539682541, 0.0, 7.587301587301585, 0.0, 0.2698412698412698, 0.0, 7123.809523809524]
[0.0, -37.06349206349208, 0.0, -62.53968253968253, 1.0, -1.0317460317460316, 0.0, 56761.90476190476]
[0.0, 1.0317460317460319, 1.0, 1.2698412698412698, 0.0, 0.015873015873015872, 0.0, 419.04761904761904]
[0.0, 11.777777777777777, 0.0, -6.888888888888889, 0.0, -0.1111111111111111, 1.0, 16266.666666666668]

Resultado final:
0 otimo eh: 7123.809523809524
```