

```
In [1]: import ast
import json
import re
```

```
In [2]: with open('matching', 'r') as f:
        lista = ast.literal_eval(f.read())
```

```
In [3]: arq = open("matching2.txt", "w")
for i in lista:
    for j in i:
        if (j != 0 and j != 1):
            arq.write(str(j[0]) + "\n")
            arq.write(str(j[1]) + "\n")
        else:
            arq.write(str(j) + "\n")
arq.close()
```

```
In [4]: with open("product.json") as file:
        data = json.load(file)
```

```
In [5]: # ler o arquivo reescrito
# formatacao melhorada
arq2 = open("matching2.txt", "r")
lista = []
lista2 = []
lisM = []
while True:
    try:
        x = arq2.readline().rstrip()

        if (x == ''):
            break
        # print(x)
        lista.append(data[x]["title"])

        y = arq2.readline().rstrip()
        if (y == ''):
            break
        lista2.append(data[y]["title"])
        # print(y)

        z = arq2.readline().rstrip()
        if (z == ''):
            break
        lisM.append(int(z))
        #else:

        # print(z)
        # lista.append([(x, y), z])
    except EOFError:
        break
#print(lista)
arq2.close()
```

```
In [6]: data = {"x0_amer":lista, "x1_bahia":lista2, "y":lisM}
df = pd.DataFrame(data)
```

```
Out[6]:
```

	x0_amer	x1_bahia	y
0	Notebook Everex Intel Quad Core Z8350 Tela 14"...	Notebook Everex Intel Quad Core Z8350 Tela 14"...	1
1	Notebook Everex Intel Quad Core Z8350 Tela 14"...	Notebook Everex Intel Quad Core Z8350 2Gb Ddr3...	1
2	Notebook A515-51-75RV Intel Core I7 8GB 1TB LE...	Notebook Acer Aspire 3 A315-53-52ZZ Intel Core...	1
3	Notebook Acer Aspire 3 A315-33-C58D Intel® Cel...	Notebook Acer Aspire 3 A315-53-52ZZ Intel Core...	0
4	Notebook Dell Inspiron i15-3567-A30P Intel Cor...	Notebook Dell Inspiron i15-5570-U31B 8ª geraçã...	0
5	Notebook Dell Inspiron I15-7572-A20S Intel Cor...	Notebook Dell Inspiron i15-5570-U31B 8ª geraçã...	0
6	Notebook Dell Inspiron I15-3576-A60C Intel Cor...	Notebook Dell Inspiron i14-5480-M10M 8ª Geraçã...	0
7	Notebook Dell Inspiron I15-7572-A20S Intel Cor...	Notebook Dell Inspiron i14-5480-M10M 8ª Geraçã...	0
8	Notebook Dell Inspiron I15-3567-A50P Intel Cor...	Notebook Dell Core i7-7500U 8GB 2TB Tela 15.6"...	1
9	Notebook Fit 15S B0211B Intel Core i5 8GB 1TB ...	Notebook Vaio Core i5-7200U 8GB 1TB Tela 15.6"...	1
10	Notebook Dell Inspiron I14-5480-u40s 8ª Geraçã...	Notebook Dell Inspiron i14-5480-U40S 8ª Geraçã...	1
11	Notebook Presario CQ31 Intel Celeron 4GB 500GB...	Notebook Compaq Dual Core 4GB 500GB Tela 14" W...	0
12	Notebook Presario CQ31 Intel Celeron 4GB 500GB...	Notebook Compaq Dual Core 4GB 500GB Tela 14" W...	0
13	Notebook A315-53-34Y4 8ª Intel Core i3 4GB 1TB...	Notebook Acer Core i3-8130U 4GB 1TB Tela 15.6"...	1
14	Notebook Ideapad 330 Intel Celeron 4GB 1TB HD ...	Notebook Lenovo ideapad 330-15IGM, Intel Celer...	1
15	Notebook Ideapad 330 Intel Core i5-8250u 8GB 1...	Notebook Lenovo Core i5-8250U 8GB 1TB Placa de...	1
16	Notebook Ideapad 330 Intel Core i5-8250u 8GB (...)	Notebook Lenovo Core i5-8250U 8GB 1TB Placa de...	1
17	Notebook Lenovo Ideapad 330 i7-8550u 8gb 2tb M...	Notebook Lenovo Core i7-8550U 8GB 1TB Placa de...	1
18	Notebook Lenovo Ideapad 330s Ryzen 5 4gb 1tb W...	Notebook Lenovo Core i7-8550U 8GB 1TB Placa de...	0
19	Notebook Lenovo Ideapad 330s Ryzen 5 4gb 1tb W...	Notebook Lenovo Core i5-8250U 8GB 1TB Placa de...	0
20	Notebook Ideapad 330 7ª Intel Core i3 4GB 1TB ...	Notebook Lenovo Core i3-6006U 4GB 1TB Tela 15....	1
21	Notebook 2 Em 1 Dell Inspiron I14-5481-m20 8ª ...	Notebook 2 em 1 Dell Inspiron i14-5481-M20 8ª ...	1
22	Notebook Essentials E30 Intel Core i3 4GB 1TB ...	Notebook Essentials E30 Intel Core i3 4GB 1TB ...	1
23	Notebook Samsung Dual Core 4GB 500GB Tela 15.6...	Notebook Samsung Dual Core 4GB 500GB Tela 15.6...	1
24	Notebook Samsung Dual Core 4GB 500GB Tela 15.6...	Notebook Samsung Dual Core 4GB 500GB Tela 15.6...	1
25	Notebook Dell Core i5-7200U 8GB 1TB Tela 15.6"...	Notebook Dell Inspiron I15-3567-A40P Intel Cor...	1
26	Notebook A515-51-75RV Intel Core I7 8GB 1TB LE...	Notebook Acer Aspire 3 A315-53-52ZZ Intel Core...	0
27	Notebook Acer Aspire 3 A315-33-C58D Intel® Cel...	Notebook A515-51-75RV Intel Core I7 8GB 1TB LE...	0
28	Notebook 2 Em 1 Dell Inspiron I14-5481-m30 8ª ...	Notebook 2 em 1 Dell Inspiron i14-5481-M30 8ª ...	1
29	Notebook Gamer Dell NVIDIA GeForce GTX 1050Ti ...	Notebook Gamer Dell NVIDIA GeForce GTX 1050Ti ...	1
30	Notebook Gamer Dell G7-7588-U30P 8ª Ger. Intel...	Notebook Gamer Dell G3-3579-U20P 8ª Geração In...	0
31	Notebook Gamer Dell NVIDIA GeForce GTX 1060 Co...	Notebook Gamer Dell G7-7588-M40P 8ª Ger. i7 16...	1
32	Notebook 2 Em 1 Dell Inspiron I14-5481-m10 8ª ...	Notebook 2 em 1 Dell Inspiron i14-5481-M10 8ª ...	1
33	Notebook 2 em 1 Dell Inspiron i14-5481-M20 8ª ...	Notebook 2 em 1 Dell Inspiron i14-5481-M10 8ª ...	0
34	Notebook 2 em 1 Dell Core i5-7200U 8GB 1TB Tel...	Notebook 2 Em 1 Dell Inspiron I14-5481-m10 8ª ...	0
35	Notebook A515-51G-C1CW Intel Core I7-8550u 12G...	Tablet Samsung Galaxy Tab A 7.0" Wi-Fi SM-T280...	0
36	Tablet DL Creative Tab, Tela 7", 8GB, Câmera, ...	Tablet Samsung Galaxy Tab A 7.0" Wi-Fi SM-T280...	0
37	Notebook Vaio Core i3-6006U 4GB 1TB Tela 14" W...	Tablet Dazz Mx7 Quad Core, 7 Polegadas, Wi-fi,...	0
38	Notebook Vivobook X510UA-BR667T Intel Core i5 ...	Tablet M7s Tela 7 Processador Quad-Core 1.2GHz...	0

In []: