Implementação 4 – Testes

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Teste 1:

```
enter the file name containing the data: test1

problem is already balanced.

optimal solution:
total cost: 410
transported quantities:
        D1      D2      D3
S1      0       0       50
S2      40      20      0
S3      0       40      0
```

Teste 2:

```
enter the file name containing the data: test2

unbalanced problem detected (excess supply). dummy destination added.

optimal solution:
total cost: 480
transported quantities:
        D1      D2      F
S1      30      0       10
S2      40      10      0
S3      0       30      0
```

Teste 3:

```
enter the file name containing the data: test3

problem is already balanced.

optimal solution:
total cost: 410
transported quantities:
        D1      D2      D3
S1      0       0       50
S2      40      20      0
S3      0       40      0
```

Teste 4:

```
enter the file name containing the data: test4

unbalanced problem detected (excess supply). dummy destination added.

optimal solution:
total cost: 1070
transported quantities:
        D1      D2      D3      F
S1      0       0       0       70
S2      0       60      0       20
S3      60      0       0       0
S4      0       40      50      0
S5      40      10      0       0
```