INPUT-OUTPUT 1

input   Output
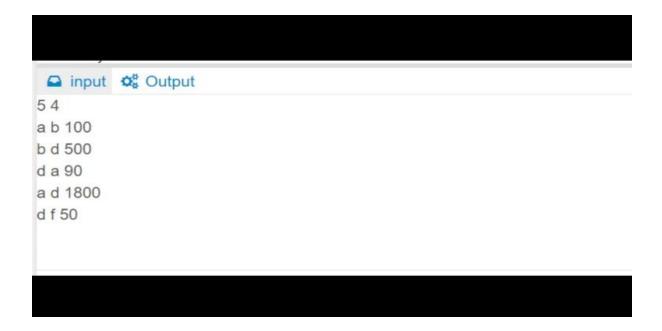
```
5 4
a b 100
b d 500
d a 90
a d 1800
d f 50
```

input   Output

Success #stdin #stdout 0.01s 5460KB

```
a has to pay 1810 to d
b has to pay 350 to d
b has to pay 50 to f
Number of reduced settlements: 2
```