```
Sample input
6
a 10 18 13 19
b 19 1 8 20
c 16 21 3 7
d 2 11 5 8
e 11 12 17 10
f 6 13 20 4

Sample output
c
8.0 20.0 13.0 19.0 10.0 18.0 6.0 13.0 11.0 12.0 2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 20.0 4.0 19.0 1.0
b c
13.0 19.0 10.0 18.0 10.7 15.3 6.0 13.0 11.0 12.0 2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 20.0 4.0 19.0 1.0
b a c
10.0 18.0 10.7 15.3 6.0 13.0 11.0 12.0 2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 20.0 4.0 19.0 1.0
b c
10.7 15.3 6.0 13.0 11.0 12.0 2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 20.0 4.0 19.0 1.0
c b
6.0 13.0 11.0 12.0 2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 20.0 4.0 19.0 1.0
f c b
7.6 12.0 11.0 12.0 2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 20.0 4.0 19.0 1.0
c f b
11.0 12.0 2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 15.6 6.8 20.0 4.0 19.0 1.0
c f e b
13.0 11.3 2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 15.6 6.8 20.0 4.0 19.0 1.0
c f b e
2.0 11.0 17.0 10.0 5.0 8.0 3.0 7.0 15.6 6.8 20.0 4.0 19.0 1.0
d c f b e
17.0 10.0 4.4 8.6 5.0 8.0 3.0 7.0 15.6 6.8 20.0 4.0 19.0 1.0
d c f b
4.4 8.6 5.0 8.0 3.0 7.0 15.6 6.8 20.0 4.0 19.0 1.0
c d f b
5.0 8.0 3.0 7.0 15.6 6.8 20.0 4.0 19.0 1.0
c f b
3.0 7.0 15.6 6.8 20.0 4.0 19.0 1.0
f b
15.6 6.8 20.0 4.0 19.0 1.0
b f
20.0 4.0 19.0 1.0
b
19.0 1.0
```