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User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

- $\frac{1}{2}$

```

6
7 ▼ public FoodRatings(String[] foods, String[] cuisines, int[] ratings) {
8     n = foods.length;
9     cm = new HashMap<>(); // cuisine -> Node
10    fm = new HashMap<>(); // food -> cuisine
11    rm = new HashMap<>(); // food -> rating
12 ▼    for (int i = 0; i < n; i++) {
13        fm.put(foods[i], cuisines[i]);
14        rm.put(foods[i], ratings[i]);
15        cm.computeIfAbsent(cuisines[i], x -> new TreeSet<>()).add(new Node(ratings[i], foods[i]));
16    }
17 }
18
19 ▼ public void changeRating(String food, int newRating) {
20     String cuisine = fm.get(food);
21     cm.get(cuisine).remove(new Node(rm.get(food), food));
22     rm.put(food, newRating);
23     cm.get(cuisine).add(new Node(rm.get(food), food));
24 }
25
26 ▼ public String highestRated(String cuisine) {
27     return cm.get(cuisine).first().name;
28 }
29
30 ▼ class Node implements Comparable<Node> {
31     int rate;
32     String name;
33
34 ▼    Node(int rate, String name) {
35        this.rate = rate;
36        this.name = name;
37    }
38
39    @Override
40 ▼    public int compareTo(Node y) {
41        if (rate == y.rate) return name.compareTo(y.name); // same rating, lexical smaller comes first
42        return Integer.compare(y.rate, rate); // higher rating comes first
43    }
44 }
45 }

```

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