You are given two string arrays positive\_feedback and negative\_feedback, containing the words denoting positive and negative feedback, respectively. Note that **no** word is both positive and negative.

Initially every student has 0 points. Each positive word in a feedback report **increases** the points of a student by 3, whereas each negative word **decreases** the points by 1.

You are given n feedback reports, represented by a **0-indexed** string array report and a **0-indexed** integer array student\_id, where student\_id[i] represents the ID of the student who has received the feedback report report[i]. The ID of each student is **unique**.

Given an integer k, return *the top* k *students after ranking them in* ***non-increasing*** *order by their points*. In case more than one student has the same points, the one with the lower ID ranks higher.

**Example 1:**

Input: positive\_feedback = ["smart","brilliant","studious"], negative\_feedback = ["not"], report = ["this student is studious","the student is smart"], student\_id = [1,2], k = 2  
Output: [1,2]  
Explanation:   
Both the students have 1 positive feedback and 3 points but since student 1 has a lower ID he ranks higher.

**Example 2:**

Input: positive\_feedback = ["smart","brilliant","studious"], negative\_feedback = ["not"], report = ["this student is not studious","the student is smart"], student\_id = [1,2], k = 2  
Output: [2,1]  
Explanation:   
- The student with ID 1 has 1 positive feedback and 1 negative feedback, so he has 3-1=2 points.   
- The student with ID 2 has 1 positive feedback, so he has 3 points.   
Since student 2 has more points, [2,1] is returned.

**Constraints:**

* 1 <= positive\_feedback.length, negative\_feedback.length <= 104
* 1 <= positive\_feedback[i].length, negative\_feedback[j].length <= 100
* Both positive\_feedback[i] and negative\_feedback[j] consists of lowercase English letters.
* No word is present in both positive\_feedback and negative\_feedback.
* n == report.length == student\_id.length
* 1 <= n <= 104
* report[i] consists of lowercase English letters and spaces ' '.
* There is a single space between consecutive words of report[i].
* 1 <= report[i].length <= 100
* 1 <= student\_id[i] <= 109
* All the values of student\_id[i] are **unique**.
* 1 <= k <= n