Design a special dictionary that searches the words in it by a prefix and a suffix.

Implement the WordFilter class:

* WordFilter(string[] words) Initializes the object with the words in the dictionary.
* f(string pref, string suff) Returns *the index of the word in the dictionary,* which has the prefix pref and the suffix suff. If there is more than one valid index, return **the largest** of them. If there is no such word in the dictionary, return -1.

**Example 1:**

Input  
["WordFilter", "f"]  
[[["apple"]], ["a", "e"]]  
Output  
[null, 0]  
Explanation  
WordFilter wordFilter = new WordFilter(["apple"]);  
wordFilter.f("a", "e"); // return 0, because the word at index 0 has prefix = "a" and suffix = "e".

**Constraints:**

* 1 <= words.length <= 104
* 1 <= words[i].length <= 7
* 1 <= pref.length, suff.length <= 7
* words[i], pref and suff consist of lowercase English letters only.
* At most 104 calls will be made to the function f.