
Blacklist

There was an event in a big store and the manager of the store discovered that there were several customers who tried to win the event in an unusual way. Therefore, the manager collected the customers' ID and put them under "blacklist". Then manager wanted to share the list with the judges of the event, so that the judges can exclude the customers who are on the blacklist when deciding the winner of the event. However, the manager at the same time wanted to protect personal information of the blacklisted customers, so the manager replaces some characters in the user ID with '*'. For example, the manager found that the customers with IDs 'aeNqA' and 'LsDR0' foul played, so hand the two following IDs to the judges – 'a*N*A' and '**DR0'. Later the manager figured out that when constructed in this way, there can be more than one set of customers that can be eliminated from the winners. If the original (full) list was [aeNqA, hRkWp, LsDR0, aBNaA, EdqYS], then it is possible that the judges may think they should eliminate either [aeNqA, LsDR0] or [aBNaA, LsDR0]. In this case, there are TWO possible sets.

Find the possible number of sets from the following given inputs.

Input:

- List of customer ID who enter the event and list of ID in blacklist with '*'s, line separately
- ID could contain lower and uppcase of alphabet and numbers

Output:

- Number of possible lists that could make from given two list

Sample:

No.	Sample Input	Sample Output
1	[abc abc123] [***]	1
2	[aeNqA hRkWp LsDR0 aBNaA EdqYS] [a*N*A **DR0]	2
3	[hD4M GaE7R esF1J N4C Ic0 MgXa rooNi hD99] [hD** ***]	4