

Lobby wars

We are in the era of "lawsuits", everyone wants to go to court with their lawyer Saul and try to get a lot of dollars as if they were raining over Manhattan

The laws have changed much lately and governments have been digitized. That's when **Signaturit** comes into play.

The city council through the use of [Signaturit.com] (<https://www.signaturit.com/en>) maintains a registry of legal signatures of each party involved in the contracts that are made.

During a trial the justice only verifies the signatures of the parties involved in the contract to decide who wins. For that, they assign points to the different firms depending on their signers roles.

For example, if the plaintiff has a contract that is signed by a **notary** he gets 2 points, if the defendant has in the contract the signature of only a **validator** he gets only 1 point, so the plaintiff party wins the trial.

We want you to automate this process, given a contract with your 2 parties involved and their signatures and indicate which one wins the test

Roles

K - King - 5 points N - Notary - 2 points V - Validator - 1 point

Keep in mind that when a King signs, the signatures of the validators on his part have no value.

First phase

Make a program that has a contract in the KN vs NNV format, and define which party wins the trial?

Second stage

Sometimes the contract does not have all the signs, so we represent it using the # character. Taking into account that only one signature per part can be empty to be valid, determine which is the minimum function necessary to win the trial given a contract with the signatures of the known opposition party.

For example, given $N \# V$ vs NVV should return N