1. Important Messages (`meil`)   1 second   20 points

These days one may get hundreds of email messages a day. Of course, nobody can read so many of them. Thus Juku wants to highlight messages whose senders are in his contact list.

Write a program that gets Juku's contact list and the senders of his email messages and counts, how many of those messages should be highlighted.

Input. The first line of the text file `meilsis.txt` contains N, the number of entries in Juku's contact list ($1 \leq N \leq 1\,000$), and each of the following N lines one email address of 1 to 50 characters.

The next line of the file contains M, the number of messages ($1 \leq M \leq 10\,000$), and each of the following M lines the sender address of one message, again 1 to 50 characters.

The characters in an email address can be lower-case letters (`a`...`z`), digits (`0`...`9`), dots (`.`) and at-signs (`@`).

Output. The only line of the text file `meilval.txt` should contain one integer: the number of messages to be highlighted.

Example.

meilsis.txt	meilval.txt
3	1
kati@eesti.ee	
lauri@arvuti.net	
mati@eesti.ee	
4	
unknown@somewhere.com	
robot@spam.com	
kati@eesti.ee	
mati@xxx.org	

Among the 4 messages, only 1 was sent from an address in Juku's contact list.

Grading. In test cases worth 10 points in total, additionally $N = 3$ and $M \leq 10$.