

# Trener

Mirko has been moving up in the world of basketball, starting as a mere spectator, mastering

salesmanship, finally reach the coveted position of the national team coach. He is now facing a

task: selecting the five primary players for the upcoming match against Tajikistan.

Since Mirko is incredibly lazy, he doesn't bother remembering players' names, let alone their

skills. That's why he has settled on selecting five players who share the same first letter of their

surnames, so that he can remember them more easily. If there are no five players sharing the first

of their surnames, Mirko will simply forfeit the game!

In order to obtain insight into possibilities for his team, Mirko wants to know all the different

that his primary team's surnames may begin with.

## Input

The first line of input contains the positive integer  $N$  ( $1 \leq N \leq 150$ ), the number of players that

has available.

Each of the following  $N$  lines contains one word (at most 30 characters long, consisting only of

lowercase English letters), a surname of one of the players

## Output

If there are no five players that Mirko can select matching his criteria, output a single line

containing the word "PREDAJA" (without quotes). Otherwise, output all possible first letters of

representation player surnames, sorted lexicographically, in a single line with no spaces.

## Example

**Input:**

18  
babic  
keksic  
boric  
bukic  
sarmic  
balic  
kruzic  
hrenovkic  
beslic  
boksic  
krafnic  
pecivic  
klavirkovic  
kukumaric  
sunkic  
kolacic  
kovacic  
prijestolonasljednikovic

**Output:**

bk

**Input:**

6  
michael  
jordan  
lebron  
james  
kobe  
bryant

**Output:**

PREDAJA