## Tiebreaker

Are you the winner? Let's find out in this tiebreaker.

## Task

Given a list of ticket numbers and the status of WIN or NOWIN, identify the winning tickets and output them in order from lowest to highest.

## Input

An integer $\mathrm{t}, 1<=\mathrm{t}<=100$, denoting the number of tickets to check.
For each ticket, there are two lines with information. The first line is an integer $n$, which is the ticket number. The second line is s, the status of the ticket number. The ticket status is either WIN or NOWIN.

## Output

One line that lists the number of winning tickets.

One line that lists the ticket numbers, sorted from highest to lowest. Each number is separated by a space.

## Example

## Input:

5
5011
WIN
4000
NOWIN
101
WIN
500
NOWIN
501
WIN
Output:
3
1015015011

