

## 1. Average scores (kesk)

1 sec / 2 sec

10 points

Mari and Jüri are playing a computer game and arguing whose average score is higher. Write a program that based on their results decides whose average score is higher.

**Input.** The first line of the text file `kesksis.txt` contains an integer  $N$  ( $1 \leq N \leq 500\,000$ ). Each of the following  $N$  lines contains a capital letter M or J and (separated by a space) an integer  $P$  ( $0 \leq P \leq 10\,000$ ), where M stands for Mari and J for Jüri and  $P$  is the number of points achieved during one playthrough by the corresponding player.

**Output.** The only line of the text file `keskval.txt` should consist of capital letter M if Mari's average score is higher than Jüri's, capital letter J if Jüri's average score is higher, or capital letter V if Mari's and Jüri's scores are equal. If a player has not played the game at all, then let that player's average score be 0.

Example.	<code>kesksis.txt</code>	<code>keskval.txt</code>
	5	M
	M 6000	
	J 7000	
	M 9545	
	M 4500	
	J 3200	