ARRANGEMENT OF CONTEST

Little Dmitry and little Petr want to arrange a contest. Their little friends submitted several task proposals and now Dmitry and Petr want to select some of them for the contest. As they are just little boys, they cannot estimate quality of tasks, but they know for sure that in *good* contest title of the first problem starts with A, the title of the second one — with B, and so on.

Given titles of the proposed tasks, help little brothers to determine the maximal number of problems in a *good* contest they can arrange.

Input

The first line contains single integer n—the number of problem proposals received by the little brothers ($1 \le n \le 100$). Next n lines contain titles of proposed problems, one per line. The length of each title does not exceed 30 characters. Each title starts with an uppercase letter and contains only English letters, digits and underscores.

Output

Output a single number — the maximal number of problems in a *good* contest. In case there is no *good* contest that may be arranged, output 0.

Examples

№	stdin	stdout
1	12 Arrangement of Contest Ballot Analyzing Device Correcting Curiosity Dwarf Tower Energy Tycoon Flight Boarding Optimization Garage Heavy Chain Clusterization Intellectual Property J Kids in a Friendly Class Lonely Mountain	12
2	3	1

	Snow White and the 7 Dwarfs A Problem Another Problem	