Problem D
Donald's Favorite McDonald's Set

Time limit: **3 seconds**
Memory limit: **1024 megabytes**

Problem Description

Donald loves eating McDonald's. However, he is too lazy to buy it himself, so he always asks his friend to buy a McDonald's set for him.

As a true McDonald's lover, Donald has strict requirements for every set he eats. Each set must include at least:

- 2 Big Macs

- 3 Large Fries

- 3 Ice creams

- 0 Apple pie – which means the number of apple pies must be exactly 0.

If any set fails to meet these requirements, Donald will bang the table angrily.

As Donald's close friend, you're curious to know how many times he banged the table angrily this month. Write a program to determine the answer.

Input Format

The first line contains an integer $N(0 \leq N \leq 31)$, representing the number of McDonald's sets which Donald received this month. The following N lines each contain a string S consisting only of the characters 'B', 'F', 'I' and 'A', representing the items in each set Donald received. Each character represents one unit of the corresponding item. That is B is Big Mac, F is Large fries, I is Ice cream and A is Apple pie.

For example, the string "BBFFIA" means the set contains 2 Big Macs, 2 large fries, 1 ice cream, and 1 apple pie. Since this set does not meet Donald's strict requirements, he will bang the table angrily in this case.

Note: In each test, the length of the string S is between 1 and 100, meaning the total number of food units in a set will not exceed 100. The characters may appear in any order and are not necessarily sorted as 'B', 'F', 'I', 'A'.

Output Format

Output a single integer representing the number of times Donald banged the table angrily this month. That is, output the number of sets that do not meet Donald's requirements.

Technical Specification

- $0 \le N \le 31$

- $1 \le |S| \le 100$

- S consisting only of the characters 'B', 'F', 'I' and 'A'.

Sample Input 1

```
3
BFI
BBBFFII
BBBFFFIIIA
```

Sample Output 1

```
3
```

Sample Input 2

```
3
BBFFFFIII
BBFFFFIIIA
BBBFFFIIIIII
```

Sample Output 2

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1
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