

# Problem A

## Perfect Pitchers

Input file: *testdata.in*

Time limit: 1 seconds

### Problem Description

As shown in the following table, on April 21, 2012, Philip Humber became the 21-st perfect-game pitchers in the history the Major League Baseball.

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American League	National League
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	1880 6/12 Lee Richmond (Cleveland 0:1 Worcester)
	6/17 John Ward (Buffalo 0:5 Providence)
5/ 5 Cy Young (PHI 0:3 BOS)	1904
10/ 2 Addie Joss (CHI 0:1 CLE)	1908
4/30 Charlie Robertson (CHI 2:0 DET)	1922
10/ 8 Don Larsen*(Brooklyn 0:2 NYY)	1956
	1964 6/21 Jim Bunning (PHI 6:0 NYM)
	1965 9/ 9 Sandy Koufax (CHI 0:1 LA)
5/ 8 Catfish Hunter (MIN 0:4 OAK)	1968
5/15 Len Barker (TOR 0:3 CLE)	1981
9/30 Mike Witt (CAL 1:0 TEX)	1984
	1988 9/16 Tom Browning (LA 0:1 CIN)
	1991 7/28 Dennis Martinez (MON 2:0 LA)
7/28 Kenny Rogers (CAL 0:4 TEX)	1994
5/17 David Wells (MIN 0:4 NYY)	1998
7/18 David Cone (MON 0:6 NYY)	1999
	2004 5/18 Randy Johnson (ARI 2:0 ATL)
7/23 Mark Buehrle (TB 0:5 CHI)	2009

5/ 9 Dallas Braden (TB 0:4 OAK)      2010 5/29 Roy Halladay (PHI 1:0 FLA)  
4/21 Philip Humber (CHI 4:0 SEA)      2012

A baseball fan is obsessed with the last names of these 21 perfect-game pitchers. He devised a computer program to detect the number of times the following 21 last names occur

Richmond, Ward, Young, Joss, Robertson, Larsen, Bunning, Koufax,  
Hunter, Barker, Witt, Browning, Martinez, Rogers, Wells, Cone, John-  
son, Buehrle, Braden, Halladay, Humber.

Given an  $N$ -character string  $S$ , the required output is the overall number of occurrences of these twenty-one names, ignoring the cases.

## Technical Specification

- $1 \leq N \leq 10000000$

### Input Format

In the first line of the input file there is an integer  $C$ , indicating the number of distinct test cases to be followed. Each of the next  $C$  lines stands for a test cases. For each test case, there is an integer  $N$ , followed by a string of  $N$  characters.

### Output Format

Output should be  $T$  lines of integers. The integers in  $j$ -th line represents the overall number of occurrences of those 21 names, ignoring the cases.

### Sample Input

```
2
45 Philip Humber threw the 96th and final pitch.
53 Sandy caught a young catfish in her holiday vacation.
```

### Sample Output

```
1
1
```