

GFSSOC '17 J1 - Ramen and Studying

Time limit: 2.0s **Memory limit:** 31M

While studying after school, Ace always needs Ramen to keep himself energized. For different courses, Ace needs different numbers of bowls of Ramen to be able to study them. For `TOK`, he needs 1 bowl, for `English`, 2, for `Chemistry`, 3, and for `Math`, 4. Ace always strives to study as many subjects a day as possible, and he only has N ($0 \leq N \leq 100$) bowls of Ramen at home. For tonight, Ace has to study for C ($1 \leq C \leq 4$) courses. He needs your help to figure out whether or not he has enough bowls or not. If Ace has enough bowls of Ramen, output `YEA BOI`. If he doesn't, output `Go to Metro` and the maximum number of courses he can finish with his current supply of Ramen on a new line.

Input Specification

Line 1: integers C, N

Next C lines: Courses Ace must study for (TOK, English, Math, and Chem)

Sample Input

```
3 6
Math
TOK
English
```

Sample Output

```
Go to Metro
2
```