## Problem 1 – Volleyball

Vladi loves to play volleyball a lot. However, he is a programmer now and he is very busy. Now he is able to **play only on holidays** and on **weekends**. Vladi plays on **2/3 of the holidays** and each **Saturday**, but **not every weekend** – only when he is **not at work** and only when he is **not going to his hometown**. Vladi goes to his hometown **h** weekends in the year. The other weekends are considered “**normal**”. Vladi is **not at work in 3/4 of the normal weekends**. When Vladi is at his hometown, he always plays volleyball with his old friends once, on **Sunday**. In addition, if the year is **leap**, Vladi plays volleyball **15% more times** additionally. We assume the year has **exactly 48 weekends** suitable for volleyball.

Your task is to write a program that calculates **how many times Vladi plays volleyball** (rounded down to the nearest integer number).

### Input

The input data should be read from the console. It consists of three input values, each at a separate line:

* The string “**leap**” for leap year or “**normal**” for year that is not leap.
* The number **p** – number of **holidays** in the year (which are not Saturday or Sunday).
* The number **h** – number of weekends that Vladi spends in his **hometown**.

The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

* The output data must be printed on the console.
* On the only output line you must print an integer representing how many times Vladi plays volleyball in a year.

### Constraints

* The numbers **p** is in range [0...300] and **h** is in range [0…48].
* Allowed working time for your program: 0.25 seconds.
* Allowed memory: 16 MB.

### Examples

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| **Input** | **Output** | **Comments** |
| leap  5  2 | 45 | 48 weekends total in the year, split into:   * 2 hometown weekends 🡪 2 Sundays 🡪 **2** plays * 46 normal weekends 🡪 46 \* 3 / 4 🡪 **34.5** plays   5 holidays 🡪 5 \* 2/3 🡪 **3.33** plays  Leap year 🡪 additional 15% \* 39.83 🡪 **5.97** plays  Total plays = **45.8** plays 🡪 **45** (rounded down) |

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| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| normal  3  2 | 38 | leap  2  3 | 43 | normal  11  6 | 44 | leap  0  1 | 41 | normal  6  13 | 43 |