## Problem 1 – Joro, the Football Player

Joro loves to play football a lot. He used to play for his local village club “Pantera” Kaloyanovets. However, he is a programmer now and he is very busy. Now he is able to **play only on holidays** and on **weekends**. Joro plays on **1/2 of the holidays** and **twice on weekends**: each **Saturday** and each **Sunday**, but **not every weekend** – only when he is **not tired** and only when he is **not going to his hometown**. Joro goes at his hometown **h** weekends in the year. The other weekends are considered “**normal**”. Joro is **not** **tired in 1/3 of the normal weekends**. When Joro is in his hometown, he always plays football with his old friends once, on **Sunday**. In addition, if the year is **leap**, Joro plays football **3 more times** additionally, in non-weekend days. We assume the year has **exactly 52 weekends**.

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

### Input

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

* The string “**t**” for leap year or “**f**” 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 Joro 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 Joro plays football in a year.

### Constraints

* The numbers **p** is in range [0...300] and **h** is in range [0…52].
* Allowed working time for your program: 0.25 seconds.
* Allowed memory: 16 MB.

### Examples

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| **Input** | **Output** | **Comments** |
| t  1  2 | 38 | 52 weekends total in the year, split into:   * 2 hometown weekends 🡪 2 Sundays 🡪 **2** plays * 50 normal weekends 🡪 50 \* 2 / 3 🡪 **33.33** plays   1 holiday 🡪 **0.5** plays  Leap years 🡪 additional **3** plays  Total plays = **38.83** plays 🡪 **38** (rounded) |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| f  3  2 | 36 | t  2  3 | 39 | f  10  5 | 41 | t  0  1 | 38 |