# Problem 2. Mu Online

Problem for exam preparation for the [Programming Fundamentals Course @SoftUni](https://softuni.bg/courses/programming-fundamentals-csharp-java-js-python).

Submit your solutions in the SoftUni judge system at [https://judge.softuni.org/Contests/Practice/Index/2028#1](https://judge.softuni.org/Contests/Practice/Index/2028" \l "1).

You have **initial health 100 and initial bitcoins 0**. You will be given **a string representing the dungeon's rooms**. Each room is separated with **'|'** (vertical bar): **"room1|room2|room3…"**

Each room contains **a command** and a **number**, separated by space. The command can be:

* **"potion"**
  + You are healed with the number in the second part. But your health **cannot exceed** your **initial health (100)**.
  + First print: **"You healed for {amount} hp."**
  + After that, print your current health: **"Current health: {health} hp."**
* **"chest"**
  + You've found some bitcoins, the number in the second part.
  + Print: **"You found {amount} bitcoins."**
* In **any other case,** you are **facing a monster**, which you will **fight**. The **second part of the room** contains the **attack** of the monster. You should remove the monster's attack from your health.
  + If you are not dead (health <= 0), you've slain the monster, and you should print: **"You slayed {monster}."**
  + If you've died, print **"You died! Killed by {monster}."** and your quest is over. Print the best room you've manage to reach: **"Best room: {room}"**

If you managed to **go through all the rooms** in the dungeon, print on the **following three lines**:

**"You've made it!"**

**"Bitcoins: {bitcoins}"**

**"Health: {health}"**

### Input / Constraints

You receive a **string** representing the dungeon's rooms, separated with **'|'** (vertical bar): **"room1|room2|room3…"**.

### Output

Print the corresponding messages described above.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| rat 10|bat 20|potion 10|rat 10|chest 100|boss 70|chest 1000 | You slayed rat.  You slayed bat.  You healed for 10 hp.  Current health: 80 hp.  You slayed rat.  You found 100 bitcoins.  You died! Killed by boss.  Best room: 6 |
| **Input** | **Output** |
| cat 10|potion 30|orc 10|chest 10|snake 25|chest 110 | You slayed cat.  You healed for 10 hp.  Current health: 100 hp.  You slayed orc.  You found 10 bitcoins.  You slayed snake.  You found 110 bitcoins.  You've made it!  Bitcoins: 120  Health: 65 |