# Problem 2. Mu Online

You have **initial health 100 and initial bitcoins 0**. You will be given **a string, representing the dungeons 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, you are going to 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 next three lines:

**"You've made it!"**, **"Bitcoins: {bitcoins}"**, **"Health: {health}"**.

### Input / Constraints

You receive a string, representing the dungeons 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 |