Problem 2. Mu Online

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

JS Input / Output

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 ѝfor 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