06. Fight Monsters and Collect Coins in the Dungeon

You have **initial health 100 and initial coins 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 item or a monster and a number, separated by space. (**"item/monster number"**)

- If the first part is **"potion":** you are healed with the number in the second part. But your health **cannot exceed** your **initial health (100)**. Print: **"You healed for {0} hp."**.
  After that, print your current health: **"Current health: {0} hp."**.
- If the first part is **"chest"**: You've found some coins, the number in the second part. Print: **"You found {0} coins."**.
- 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 trough all the rooms in the dungeon, print on the next three lines:

"You've made it!", **"Coins: {coins}"**, **"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 coins.
	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 coins.
	You slayed snake.
	You found 110 coins.
	You've made it!
	Coins: 120
	Health: 65