# 9. Chilly Rock

**Program Name: rock.java**       **Input File: rock.in**

It may seem simple to create a yummy ice cream dessert, but you have to know the proper actions and perform them in a valid sequence to get customers to pay.

Here is a list of possible actions that can be used when creating and selling a dessert:

| Action | Description |
|---|---|
| cone | get a cone (holds up to 2 scoops) |
| waffle | get a waffle cone (holds up to 4 scoops) |
| scup | get a small cup (holds up to 2 scoops) |
| cup | get a regular cup (holds up to 3 scoops |
| bcup | get a big cup (holds up to 4 scoops) |
| dip | dip a cone in liquid chocolate |
| scoop | add a scoop of ice cream |
| sprinkles | add sprinkles |
| wc | add whipped cream |
| cherry | add a cherry on top |
| cash | get cash for your dessert creation |

And here is a list of rules for how the actions must be performed:

The set of actions { cone, waffle, scup, cup, bcup } will be known collectively as starting actions.
The set of actions { sprinkles, wc, cherry } will be known collectively as topping actions.
The first action must be a starting action, and only the first action can be a starting action.
The dip action is only valid immediately following a waffle action or a cone action.
The scoop action must occur at least once.
The scoop action cannot occur more times than the capacity stated for the starting action.
All scoop actions must occur before any topping actions.
The wc action cannot occur more than once.
The cherry action can only occur immediately after a wc action.
.    The last action must be a cash action, and only the last action can be a cash action.

**Input**
The first line of the input file will contain a single integer, *n,* indicating the number of desserts to evaluate. Each of the following lines will contain a list of actions that may or may not be valid for creating and selling a dessert.

All actions in the input will come from the list given in the introduction.

**Output**
For each list of actions, determine whether or not they are valid for creating and selling a dessert. If they are valid, print the message, "You created a dessert with *x* scoop(s)" where *x* is the total number of scoops in the dessert. If the list of actions is not valid, print the message, "Your prospects for promotion are looking grim".

**Example Input File**
```
3
cone dip scoop wc cherry sprinkles cash
bcup scoop scoop scoop scoop cash
cone dip scoop cherry cash
```

**Example Output To Screen**
```
You created a dessert with 1 scoop(s)
You created a dessert with 4 scoop(s)
Your prospects for promotion are looking grim
```