# Problem C. Wachovia Bank

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|---|---|
| **Time limit** | 201 ms |
| **Mem limit** | 1572864 kB |
| **Code length Limit** | 50000 B |
| **OS** | Linux |

Danilo Gheyi is a renowned bank robber. He is known worldwide for accomplishing the most profitable bank robbery, in Fortaleza, Ceará. Danilo and his friends dug a tunnel to get into the main chest. There were some bags, with different amounts of money or jewelry and weight. They had to leave about 50% of the total value, since the truck couldn't carry all the bags.

Danilo wasn't caught, and to show that he can do itall again, he is planning a robbery to one of the safer banks in USA -the Wachovia Bank. He wants your help to maximize the amount stolen, avoiding a huge loss as it happened in Fortaleza.

Write a program that, given the maximum weight the truck is ableto carry and the information about each bag in the bank, determine the maximum value that Danilo can steal.

## Input

The input consists of several instances. There is an integer N ($1 \le N \le 200$) in the first line; it stands for the number of instances. The first line of each instance contains two integers, K and M ($8 \le K \le 1000$ and $1 \le M \le 50$) representing, respectively, the maximum weight the truck can handle and the amount of bags in the bank. The next M lines describe each bag with two integers A and B ($8 \le A \le 200$ and $1 \le B \le 25$): the weight and the value of the bag, respectively.

## Output

For each instance output a sentence "`Hey stupid robber, you can get P`.", and P represents the maximum value Danilo can steal.

## Example

```
Input:
3
34 5
178 12
30 1
13 7
34 8
```

87 6

900 1

900 25

100 10

27 16

131 9

132 17

6 5

6 23

56 21

100 25

1 25

25 25

100 2

**Output:**

Hey stupid robber, you can get 8.

Hey stupid robber, you can get 25.

Hey stupid robber, you can get 99.