

## Datum

Write a program that, given a date in 2009, determines the day of week on that date.

### INPUT

First line contains number T, ( $0 < T < 500$ ). T cases follow.

The first line of each block contains two positive integers D and M separated by a space. The numbers will be a valid date in 2009.

### OUTPUT

For each case output the day of the week on D. M. 2009. The output should be one of the words "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday" or "Sunday".

### EXAMPLE INPUT:

```
3
1 1
17 1
25 9
```

### EXAMPLE OUTPUT:

```
Thursday
Saturday
Friday
```