

Problem D: Dune

On the desert planet *Dune*, nomadic tribes navigate the treacherous sands using rhythmic signals from devices known as **Desert Drums**. These drums emit sounds in a specific pattern to guide travelers safely through the shifting landscape. Each Desert Drum operates in a continuous cycle:



- **Guiding Beat** for exactly G minutes,
- **Warning Beat** for exactly W minutes,
- **Resting Phase** for exactly R minutes.

This sequence repeats indefinitely.

T and a half minutes have passed since a Desert Drum was activated, determine the drum's current phase.

Input

The first line of the input contains a single integer n ($1 \leq n \leq 1000$) – the number of test cases.

Each test case consists of a single line, containing integers G , W , R , and T ($1 \leq G, W, R \leq 1000, 0 \leq T \leq 3000$) – the durations (in minutes) of the Guiding Beat, Warning Beat, and Resting Phase, respectively, and T indicating that T and a half minutes have passed since the drum was activated.

Output

For each test case, output a single line containing one of the following strings: Guiding Beat, Warning Beat or Resting Phase, indicating the drum's current phase.

Sample Explanation

In the first test case:

- Between $[0, 3)$ minutes, it is Guiding Beat,
- Between $[3, 8)$ minutes, it is Warning Beat,
- Between $[8, 10)$ minutes, it is Resting Phase,
- Between $[10, 13)$ minutes, it is Guiding Beat,
- Between $[13, 18)$ minutes, it is Warning Beat,
- and so on...

Sample Input 1

```
2
3 5 2 6
4 4 4 11
```

Sample Output 1

```
Warning Beat
Resting Phase
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