

Launching Trains

You were recently hired by Indian Railways for a new project. The government is planning to launch some new trains. According to the government standards each train must consist of the following number of coaches in each category:

Category - Number of Coaches

AC 1st Tier - 1

AC 2nd Tier - 2

AC 3rd Tier - 3

Sleeper - 6

General - 10

You are given the number of coaches in each category that are available with the government. You have to tell the maximum number of trains that can be launched, considering the standards defined by the government.

Input Format

The first line of the input contains T , the number of test cases. For each test case you are given 5 integers in a single line, the number of coaches available in AC 1st Tier, AC 2nd Tier, AC 3rd Tier, Sleeper and General

T

$AC1\ AC2\ AC3\ SL\ GN$

.

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$AC1\ AC2\ AC3\ SL\ GN$

Constraints

- $1 \leq T \leq 10^5$
- $1 \leq AC1, AC2, AC3, SL, GN \leq 10^{18}$

Output Format

For each test case, print the maximum number of trains that can be launched by the government.

Sample Input 0

```
2
1 2 3 6 10
2 4 6 12 20
```

Sample Output 0

1
2

Sample Input 1

```
2
3 4 19 14 50
9 9 9 9 9
```

Sample Output 1

2
0