# Namekooooooooo!

After the jungle adventure, the village people have collected some mushrooms in three types. Red (r), Green (g), Blue (b). There are recipes for eating those mushrooms safely:

3 Red mushrooms -> Reddish health soup

3 Green mushrooms -> Green tasty soup

3 Blue mushrooms -> Sea-flavored soup

1 Red, 1 Green and 1 Blue -> Mixed mushrooms soup

Villagers have no specific preference on type of soup. They hope they can use all the mushrooms collected.

Can you find the **maximum** number of safe soups they can make?

## Input

On the first line of input, there is an integer N (<=100), representing the number of test cases.

In the next N line, there are three integers, r, g and b (0 <= r,g,b<= $10^9$), representing the number of red, green and blue mushrooms.

## Output

For each test case, output the maximum number of safe soups they can make.

## Sample Input

```
4
3 6 9
4 4 4
0 0 0
2 3 3
```

## Output for Sample Input

```
6
4
0
2
```

Explanation: test case 2, they can make 4 Mixed mushrooms soup, or 1 Reddish health soup, 1 Green tasty soup, 1 Sea-flavored soup and 1 Mixed mushrooms soup. Both ways can produce 4 soups.