

```
import java.util.*;
public class Main
{
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        int t;
        int m,h,bmi;
        t=sc.nextInt();
        while(t-- > 0){
            m=sc.nextInt();
            h=sc.nextInt();
            bmi=m/(h*h);

            if(bmi > 18 && bmi <=24){
                System.out.println("2");
            }else if(bmi > 24 && bmi <=29){
                System.out.println("3");
            }else if(bmi >= 30){
                System.out.println("4");
            }else{
                System.out.println("1");
            }
        }
    }
}
```