

Problem D. Morning run

On the first day, the athlete ran x kilometers, and then every day he increased the mileage by 10% from the previous value. Based on this, determine the number of the day on which the athlete's mileage will be at least y kilometers.

Input data  
The program receives input real numbers x and y

Output  
The program should output one natural number.

Examples of  
input data  
10  
20

output  
9

```
double x; // 10 km / hr
double y; // increased to 20 km / hr
int day = 1;

// Ex: x = 10 km / hr what day is 20 km/ hr
// Increase speed 10 % every day

std::cin >> x >> y;

while(x < y ) {
    x = x * 1.1;
    std::cout << x << std::endl;
    day++;
}

std::cout << " On day " << day << std::endl;
```

10,10\*1.1=11,11\*1.1=12.1,

