Collecting Bills

문제   답안 제출   통계

문제 정보

문제 ID	시간 제한	메모리 제한	제출 횟수	정답 횟수 (비율)
BILLS	10000ms	65536kb	344	76 (22%)

출제자	출처		분류
Being	Algospot ICPC Seoul Regional Warmup 2008		보기

문제

After being retired from ACM-ICPC, Mr. R decided to quit studying computer science to become a farmer. This year, he harvested N cabbages, and the price of one cabbage is K won. R wants to sell all of these cabbages to the Farm Co-Op, but the Farm Co-Op has a rather complicated purchasing policy:

1. R can split the cabbages into any number of bunches, and sell them separately.
2. Every time R cells a bunch of cabbages, he has two ways to collect his earnings:
    1. He can get a check: however, checks can be issued only for amounts multiple of 10,000 won, and the remaining money will be thrown away.
    2. He can get the money wired to his bank account: however, the bank will take 10% as transaction fee and round down the remaining money to the nearest won.

So, how much money can Mr.R can get at most by selling all of the cabbages?

입력

The first line of the input file will contain the number of test cases, C. Each line consists of two integers, N and K.

$$C \leq 1,000$$
$$1 \leq N \leq 100,000,000$$
$$1 \leq K \leq 100,000,000$$
$$K \times N \leq 2^{31} - 1$$

출력

For each test case, print the maximum amount of money Mr.R can get.

예제 입력

```
4
10000  1
9999  1
4  9800
4  2700
```

예제 출력

```
10000
8999
35280
10000
```

노트

0개의 댓글이 있습니다.