S I N C E 2 0 0 7



로그인하세요.

sign in sign up

뉴스 피드

포럼

뉴스 자유게시판 질문과 답변 과거 게시판

위키

페이지 목록

온라인 저지

문제 풀기

랜덤 문제 고르기 최근 제출된 답안 사용자 랭킹 튜토리얼

캘린더

알고스팟 대화방

초대장 받기 이용 안내

검색하기

AOJ 문제 바로가기

다가오는 이벤트들

Hacker Cup 2018 Round 3 (8/19 02:00)

see all



Collecting Bills

문제 답안 제출 통계

문제 정보

문제 ID	시간 제한	메모리 제한	제출 횟수	정답 횟수 (비율)
BILLS	10000 ms	65536 kb	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.

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

춬력

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.