# Problem 1 – Concerts

After four years as an unemployed, Petkan finally start working. He is huge rock fan and his favorite hobby is to go to concert. He **works “N” normal days in the year** and **for each day his bosses pay him “M” leva amount of money**. He can **save 10% from his normal salary per day** for tickets. They’re **two types of concert**. **International stars** who visit Bulgaria and **local bands** playing in some clubs. **Different types have different price.**

Unfortunately Petkan is your best friend and he asks for help because he is very bad with calculation. He will give you all numbers you need, so you can tell him **is it possible to visit all concerts** he wants **or** should **work some extra days**. **All money from extra days is for concerts.** If his **salary is 30 leva per day** and **he needs 31 leva,** he should work **2 extra days**. Numbers he’ll give you is:

**1). Normal work days. 2). Salary per day. 3). Big concerts he wants to visit. 4.) Small gigs he wants to visit. 5). Big concerts price. 6). Local gigs price.** And you already know that he can **save only 10% of all money he’ll earn.**

As young programmer you decide to write a program which will **calculate if Petkan’s savings will be enough for all concerts. If it’s not enough he should work some extra days.**

**Input**

The input data should be read from the console. There will exactly **6 lines**.

* On first line – **count of work days.**
* Second – **Salary per day.**
* Third – **Count of big concerts.**
* Fourth – **Count of local gigs.**
* Fifth – **Price for big concert.**
* Sixth – **Price for local gig.**

The input data will always be valid and in the format described. There is no need to check it explicitly.

**Output**

The output should be printed on the console. It should consist:

* “You'll have enough money. And you'll have **[money left]** for beers.” – **If he have enough save money.**
* “You should work **[extra work days]** extra day(s). You need **[needed money]**.” **– If he don’t have enough money.**

**Constraints**

* Count of work days will be a valid integer in the range [0..365]
* Count of big concerts and local gigs will be a valid integer in the range [0..100]
* Salary per day and prices for the two types of concerts will be a floating-point number in the range [0… 7.9 x 1028]
* Allowed working time for your program: 0.25 seconds.
* Allowed memory: 16 MB.

**Examples**

|  |  |  |
| --- | --- | --- |
| **Input** | **Input** | **Comment** |
| 200  30  5  15  70  8 | You'll have enough money. And you'll have 130.00 for beers. | saved money = 200 \*30 =  = 6000 \* 0.10 = 600  big concerts = 5 \* 70 = 350  local gigs = 15\*8 = 120  needed money= 350 + 120 = 470  money left = 600 - 470 = 130 |
| **Input** | **Input** | **Comment** |
| 150  30  5  15  70  8 | You should work 1 more(extra) day(s). You need 20.00. | Saved = 450  Needed = 470  Not enough = 20  extra work days 1 |