Problem 1 – The Better Music Producer

After a young rock band wins a music contest, they receive offers from two famous producers. And now they must choose the better one.

The first one offers the young musicians to record an album and distribute it in North America, South America, and Europe. The band makes a research to find out **how many albums** can be **sold in each continent**, as well as the **price for the music** album in local currency. According to the contract, the **producer takes 35%** from all profits. The band must pay **20% taxes** on the rest of the income.

The second offer includes a world tour with "N" (number of) concerts. Each concert makes the same amount of profit. If the total income from all concerts is **more than 100,000 lv** the producer **keeps 15%.**

Your task is to write a program to **calculate** which offer is better. You'll be given some **numbers**. For the **first** offer - the **number of albums** sold in **each** continent and the **price** for a **single album** in each continent. For the second offer – **the number of concerts** and the **profit from a single concert** (it is the same for all concerts). You must convert all currencies in **levas**. Assume that:

- 1 euro is 1.94lv.
- 1 dollar is 1.72lv.
- 332.74 pesos are 1lv.

Find the profit from all albums, **subtract** the **producer's share** and after that **subtract taxes.** Finally you must **find** which of the offers is **more profitable**. Print your results on the console.

Input

The input data should be read from the console. It will consist of exactly 8 lines:

1. The number of albums sold in Europe
2. The price of an album in euro
3. The number of albums sold in North America
4. The price of an album in dollars
5. The number of albums sold in South America
6. Price of an album in pesos
7. The number of concerts during a tour
8. Profit from a single concert in euro

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.

- **If the total profit from all album is more than from all concerts print on the console:**
  - "Let's record some songs! They'll bring us {incomes from albums}lv."
- **If it is equal to or the profit from the concerts is greater:**
  - "On the road again! We'll see the world and earn {profit from concerts}lv."
- All incomes must be rounded to two digits after the decimal point.

Constraints

- The prices for different continents and incomes from concert will be a valid floating-point numbers in range [0…7.9 x 10^{28}]
- The count of albums and concerts will be a valid integers in range [0… 10000]

- Allowed working time for your program: 0.25 seconds.
- Allowed memory: 16 MB.

Examples

Input	Output	Comments
1234 11.50 987 8.99 567 6543 100 593.20	On the road again! We'll see the world and earn 97818.68lv.	Europe -> 1234 * 11.50 euro = 27530.54 lv N. America -> 987 * 8.99 dollars = 15261.7836 lv S. America -> 567 * 6543 pesos = 11149.4890… lv All albums -> 53941.8126 - 35% for the producer -> 35062.1782 lv – 20% taxes = **28049.7426** Concerts profit -> 100 * 593.20 euro -> 115080.800 lv (more than 100000) – 15% -> **97818.680 > 28049.7426**

Input	Output
2234 11.50 987 8.99 567 6543 50 345.20	Let's record some songs! They'll bring us 39650.94lv.