

Hotel Booking

A hotel has three types of rooms: **studio**, **double** and **master suite**. The prices are different for the different months:

May and October	June and September	July, August and December
Studio - 50 leva per night	Studio - 60 leva per night	Studio - 68 leva per night
Double - 65 leva per night	Double - 72 leva per night	Double - 77 leva per night
Suite - 75 leva per night	Suite - 82 leva per night	Suite - 89 leva per night

They have also the following discounts:

- For **studio** and **more than 7** nights in **May and October**: **5% discount**
- For **double** and **more than 14** nights in **June and September**: **10% discount**
- For **suite** and **more than 14** nights in **July, August and December**: **15% discount**
- For **studio** and **more than 7** nights in **September and October**: **one night is free**

Input

The input consists of exactly **2 lines**:

- First line: **Month** – May, June, July, August, September, October or December
- Second line: **Nights Count** – an integer between [0 ... 200]

Output

Print **3 lines** on the console:

- On the first: **"Studio: {price for the stay} lv."**
- On the second: **"Double: {price for the stay} lv."**
- On the third: **"Suite: {price for the stay} lv."**

Format the **prices** to the **2nd** decimal place.