

Restaurant Reservation

A restaurant wants to automate their reservation process. They need a program that reads the **hall** and the **count of people** from the console and calculates **how much** the customer should **pay** to book the place.

Different halls have different prices:

	Small Hall	Terrace	Great Hall
Price	2500\$	5000\$	7500\$
Capacity	50	100	120

The restaurant has **discounts** depending on the **service package**, which the group wants.

You can see the discounts in the table below:

	Normal	Gold	Platinum
Discount	5%	10%	15%
Price	500\$	750\$	1000\$

You should **add** the **price** of the **package** to the **price** of the **hall**. The discount is calculated based on the **hall's price + package's price**.

Example: The group has **10 people** and wants the **gold package** → **\$292.50 per person**:

- **10 people** <= 50 → they get the **Small Hall** → \$2500
- Gold package → **\$750**, **10%** discount on the entire purchase
- Total price: **\$2500 + \$750 = \$3250**
- Discount: **\$3250 - 10% discount = \$2925**
- Price per person: **\$2925 / 10 people = \$292.50 per person**

You should print **which hall** is the **most suitable** for the group and the **price per person**. If the group is **bigger than 120 people** – print **“We do not have an appropriate hall.”**.

Input

- First line: the **group size** as an **integer**
- Second line: the **package** as a **string**

Output

Print the output in the following format:

We can offer you the {hallName} The price per person is {price}\$
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Format the **price** to the **2nd** decimal place.