

2. Wedding Investment

Dreaming of securing the perfect wedding for his spouse, Ivan decided to invest and open a restaurant, as part of his idea was to offer subscription home delivery programs. **The monthly fee is determined depending on the type of order and time. Write a program that calculates the amount to be paid for a certain number of months.**

period / type	Small	Middle	Large	ExtraLarge
1 year	9.98 lv.	18.99 lv.	25.98 lv.	35.99 lv.
2 years	8.58 lv.	17.09 lv.	23.59 lv.	31.79 lv.

Conditions:

- With dessert added, a different amount will be added to the fee, depending on the subscription price
 - For price not greater than 10.00 lv. → 5.50 lv
 - For price not greater than 30.00 lv. → 4.35 lv.
 - For price greater than 30.00 lv. → 3.85 lv.
- If the contract is for two years, the total amount is reduced by 3.75%

Input

Four lines are read from the console:

1. Contract period - "one" or "two"
2. Contract type - "Small", "Middle", "Large" or "ExtraLarge"
3. Dessert added - "yes" or "no"
4. Months of payment – integer [1 ... 24]

Output

Print single line:

- The price paid by the client, formatted to the second decimal place, in the following format:
"{price} lv."

Examples

Input	Output	Hints			
one Small yes 10	154.80 lv.	Contract price for one year period and Small type is 9.98 lv. Dessert is added: $9.98 + 5.50 = 15.48$ lv. Contract period is one year so there is no discount. Final price: $15.48 * 10$ months = 154.80 lv.			
Input	Output	Input	Output	Input	Output
two Large no 10	227.05 lv.	two ExtraLarge yes 20	686.07 lv.	two Small yes 20	271.04 lv.