# A test of "programming for beginners" – March 2016

## Task 2. Price of transport

Student must travel **n miles**. It has the choice of **three types of transport**:

        **Taxi**. Starting fee: **0.70** EUR Daily tariff: **0.79** EUR/km . Night tariff: **0.90** EUR/km.

        **Bus**./Day moth: **0.09** EUR/km can be used to haul at least **20** km.

        **Train**./Day moth: **0.06** BGN/km. Can be used to haul at least **100** km.

Write a program that introduces a number of kilometres **n**and the period of the day (day or night) and calculates **the price of the cheapest transport**.

### Login

From the console to read **two lines**:

        The first line contains the number **n**– number of miles – an integer in the range [1... 5000].

        The second row contains the word " **day**" or " **night**" – travel day or night.

### Exit

To be printed on the console **the lowest price** for specified number of miles.

### Sample input and output

|  |  |  |
| --- | --- | --- |
| **Login** | **Exit** | **Explanations** |
| 5  day | 4.65 | The distance is less than 20 km  it can be used only **fees**. The starting fee is EUR 0.70 because during the day the tariff is 0.79 EUR/km by taxi **cost** is: + 0.79 0.70 5 \* = **4.65** EUR |
| 7  night | 7 | The distance is less than 20 km  it can be used only **fees**. The starting fee is EUR 0.70 because during the night, the rate is EUR 0.90/km by taxi **price** is: 7 + 0.70 \* 0.90 = **7.00** EUR |
| 25  day | 2.25 | The distance is more than 20 km  can be used **bus** , but cannot be used. The bus is the cheapest possible option. By bus **price** is: 25 \* = 0.09 **2.25** EUR |
| 180  night | 10.8 | The distance is over 10 0 km  can be used **a train**. Train is the cheapest possible option for train travel with **the price**is: 180 \* 0.06 = **10.80** BGN. |

Testing of the solution: [https://judge.softuni.bg/Contests/Practice/Index/169#1](https://www.microsofttranslator.com/bv.aspx?from=bg&to=en&a=https%3A%2F%2Fjudge.softuni.bg%2FContests%2FPractice%2FIndex%2F169%231).