

Question #2:

Final Price (30 points)

Please read [important information](#) first.

Description

Charles from Monaco wants to order some products from abroad. The policies of Monaco for foreign products changes depending on the country the product is coming from, and the type of the item.

You are given the list of product IDs, product names, their original prices, their tax ratios (Customs Duty (Gumruk Vergisi), KDV, and OTV) which are calculated for the final calculation (i.e. if the tax is 18% of the price, it is given as 1.18 and you only need to multiply with 1.18), the currency of Monaco vs the original currency of the product, and the country item is coming from.

You are expected to take the product ID, calculate the final price Charles has to pay and print it.

A visual representation of the example file can be seen below:

ProductID	Product	Original Price	Customs Duty	KDV	OTV	Currency	Coming From
167	Portable 2TB External Hard Drive	61.99	1.2	1.08	1.45	14.67	USA
46	Oral-B Cross Action Electric Toothbrush Replacement Brush Heads Refill, 4Count	19.49	1.18	1.18	1.18	14.67	Europe
219	REVLON One-Step Volumizer Original 1.0 Hair Dryer and Hot Air Brush	34.88	1.18	1.08	1.18	14.74	Asia
372	Philips Norelco Multigroomer All-in-One Trimmer Series 3000, 13 Piece	19.96	1.18	1.18	1.18	14.74	Europe
13	Funko Pop! Marvel: WandaVision - The Scarlet Witch Vinyl Collectible Figure	11.32	1.2	1.18	1.8	14.73	Europe
29	PetSafe Drinkwell Multi-Tier Pet Fountain	35.44	1.2	1.18	1.5	14.70	USA
984	LEGO STAR WARS Millennium Falcon	128	1.18	1.18	1.18	14.72	USA
125	PS5 Controller Charger Station	19.99	1.2	1.01	1.18	14.68	USA
755	Nintendo Switch	299	1.18	1.18	1.5	14.68	USA
497	iRobot Roomba j7+	769.98	1.2	1.08	1.18	14.67	Europe
961	Roborock S7 Robot Vacuum and Mop Cleaner	549.99	1.2	1.01	1.18	14.65	USA

Inputs

You are given a file filled with the information mentioned in the description. You are expected to take the file name and product ID from the user, and then open it. The user input parts are already implemented in the code.

Outputs

You are expected to print the final price for the product. The price might be in float type, you should only print the 2 digits after the decimal point. If the product ID is not available in the list, you should print "No product found".

Constraints

1 < Product ID < 1000

Separator: "\t"

There will be no empty values or invalid data.

You are expected to use two loops in this question.

Hint

The split() method splits a string into a list. You can specify the separator, the default separator is any whitespace.

Examples

Input	Output
prices.txt 219	773.15
prices.txt 125	419.69
prices.txt 16	No product found
prices.txt 46	469.77