Problem 1

Pete's Printing Press

Peter Piper recently went into printing and copying business. He charges customers based on the number of copies to be printed and the size of the paper. He also offers the customer the choice of colour copies <u>or</u> black and white copies.

His rates, per copy, are as follows for black and white copies:

Quantity	8.5" x 11"	8.5" x 14"	11" x 17"
1 - 99	$0.08	$0.09	$0.15
100 - 499	$0.06	$0.07	$0.12
500 - 999	$0.05	$0.06	$0.10
1000 - 9999	$0.04	$0.05	$0.08
10000 +	$0.03	$0.03	$0.05

His rates, per copy, are as follows for colour copies:

Quantity	8.5" x 11"	8.5" x 14"	11" x 17"
1 - 99	$0.75	$0.90	$1.40
100 - 499	$0.65	$0.85	$1.20
500 - 999	$0.55	$0.65	$1.10
1000 - 9999	$0.45	$0.50	$0.90
10000 +	$0.30	$0.30	$0.60

Your job in this program is to calculate the amount Peter will charge to a customer for printing copies.

The input file (**DATA11.txt** for the first submission and **DATA12.txt** for the second submission) will contain five sets of data. Each set will contain three lines. The first line will contain N, the number of copies to be printed. *0 < N < 2,000,000,000.* The second line will contain the paper size (`8.5"x11"`, `8.5"x14"`, or `11"x17"`). The third line will contain the colour choice (`B&W` or `COLOUR`).

The output file (**OUT11.txt** for the first submission and **OUT12.txt** for the second submission) will contain five lines of data, corresponding to each set in the input file. Each line will contain the amount Peter will charge to the customer for the order. (Do not include comma's in values over $999.99).

Sample Input (only three sets given)	Sample Output (only three sets given)
1250 8.5"x11" B&W 55 8.5"x14" COLOUR 12500 11"x17" B&W	$50.00 $49.50 $625.00