# Assignment

Based on the residential tariff of China Light and Power Co Ltd, calculate the electricity bill.



https://www.clp.com.hk/en/Documents/tariff2020/20191210\_en.pdf

e.g.

consumption=1000, charge=400x85.5+600x98.9=93540.0

consumption=3000, charge=400x85.5+600x98.9+800x114.7+800x145.5+400x168.4=369060.0

consumption=5000, charge=723460.0

Write your code in Python.

Input consumption from the user.

Output the energy charge.

Add the statement **pause=input()** at the end of your program.

# Additional problem

Solve two simultaneous equations

a1.x + b1.y = c1

a2.x + b2.y = c2

-----------------------------------------------------------------------------------------

e.g.

Enter a1: 2

Enter b1: 3

Enter c1: 31

Enter a2: 12

Enter b2: -7

Enter c2: 11

Solution x= 5.0 y= 7.0

Enter a1: 1

Enter b1: 1

Enter c1: 0

Enter a2: 0

Enter b2: 1

Enter c2: 5

Solution x= -5.0 y= 5.0

Enter a1: 3

Enter b1: 0

Enter c1: 6

Enter a2: 5

Enter b2: 3

Enter c2: 16

Solution x= 2.0 y= 2.0

Enter a1: 4

Enter b1: 7

Enter c1: 19

Enter a2: 8

Enter b2: 14

Enter c2: -3

Parallel lines. No solution.

-----------------------------------------------------------------------------------------

Write your code in Python.

Enter a1, b1, c1, a2, b2, c2

Solve the equations

Output the solution (if any)

Add the statement **pause=input()** at the end of your program.