

$$X_n = (1/2)(X_{n-1} + a/X_{n-1})$$

$$X_1 = 1$$

$$a = 25$$

Точка y

$$y = (1/2)(y + a/y)$$

$$a = y^2$$

$$y = \sqrt{a}$$

$$y = (1/2)(y + a/y)$$

$$2y = y + a/y$$

$$y = a/y$$

$$y^2 = a$$

$$y = \sqrt{a}$$

```
def koren(a):  
    #Xn = (1/2)(Xn-1+a/Xn-1)  
    x=1  
    for i in range(1,10):  
        x=(0.5)*(x+a/x)  
        print(i,"- ",x)  
    return(x)  
  
a=int(input())  
b=koren(a)  
print(b)
```