Square Root

I/P: x=4

0/P: 2

I/P: x=14

0/P: 3

I/P: x=25

01P: 5

def squarepoot(x):

i=1

while i*i<=x:

i+=1

return i-1

Noive Approach

def sqrastfloor(2)." low = 1 high = X ans = -1 while low (= high: mid = (low+high)//2 mS2 = mid * mid if ms2 == x: peturn mid elit msz>x: high = mid-1 else: low = mid + 1 ans = mid hetuan ans

Efficient solution using Binary Search