Source Code======================================================================

import scipy.stats as ss

def HW4\_1(n, p, k):

y = ss.binom.cdf(k,n,p)

print("Probability of getting less than 3 times of '5' out of 8 throws:", y)

n = 8

p = 1/6

k = 3

HW4\_1(n, p, k)

Output==========================================================================

Probability of getting less than 3 times of '5' out of 8 throws: 0.969343588058