def compute(n):

if n < 10:

out = n \*\* 2

elif n < 20:

out = 1

for i in range(1, n-10+1):

out \*= i

else:

lim = n - 20

out = lim \* (lim + 1) // 2

print(out)

n = int(input("Enter an integer: "))

compute(n)