9-1

def nF(b,n):

if n == 0:

return 1

else:

return b\*\*n + nF(b,n-1)

#main

b = int(input("請輸入基底b:"))

n = int(input("請輸入次方n:"))

y = nF(b,n)

print("1+b+b\*\*2+.....+b\*\*n= "+str(y))

9-2

def f(n):

if n == 2:

return 2

else:

return n\*(n-1) + f(n-1)

#main

n = int(input("請輸入N:"))

x = f(n+1)

print("(1\*2)+(2\*3)+...+n\*(n+1)= "+str(x))

9-3

def f(a,b,n):

if n == 0:

return a

else:

return a+n\*b + f(a,b,n-1)

#main

a = int(input("請輸入a:"))

b = int(input("請輸入b:"))

n = int(input("請輸入n:"))

x = f(a,b,n-1)

print("結果為:"+str(x))

**9.1 流程圖**



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**9.2 流程圖**



-----------------------------------------------------------------------------------------------------------------**9.3 流程圖**

