Ch1

1.1

a=float(input("Please input the value of variable a: "))

b=float(input("Please input the value of variable b: "))

c=float(input("Please input the value of variable c: "))

d=float(input("Please input the value of variable d: "))

print("a value:",a)

print("b value:",b)

print("c value:",c)

print("d value:",d)

z = ((a + b) / (c - d)) \* 2

print("((a + b) / (c - d)) \* 2 = ",z)

1.2

a1 = float(input("請輸入係數 a1:"))

b1 = float(input("請輸入係數 b1:"))

c1 = float(input("請輸入係數 c1:"))

a2 = float(input("請輸入係數 a2:"))

b2 = float(input("請輸入係數 b2:"))

c2 = float(input("請輸入係數 c2:"))

x = (c1\*b2 - c2\*b1) / (a1\*b2 - a2\*b1)

y = (c1\*a1 - c2\*a1) / (b1\*a2 - a1\*b2)

print("x = ",x)

print("y = ",y)

1.3

a = float(input("請輸入 a:"))

b = float(input("請輸入 b:"))

c = (a\*\*2 + b\*\*2) / (a\*\*2 - b\*\*2)

print("c = ",c)

1.4

a = float(input("請輸入 a:"))

b = float(input("請輸入 b:"))

c = (a\*\*2 + b\*\*2)\*\*0.5

print("c = ",c)

1.5

a = float(input("請輸入 a:"))

b = float(input("請輸入 b:"))

c = float(input("請輸入 c:"))

c = a - (b + c) \* (3 \* a - c)

print("c = ",c)

**1.1 流程圖**



**1.2 流程圖**



**1.3 流程圖**



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**1.4 流程圖**



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**1.5 流程圖**

