**遞迴運作說明**

public int Recursion1(int n)

{

if (n > 1)

ans = n + Recursion1(n - 1);

else

ans = 1;

return ans;

}

※以 1+2+3+4+5 說明

當Call Recursion1(5)

n=5 sum=5+ Recursion1(4)

sum =5+ 4+ Recursion1(3) // Recursion1(4)= 4+ Recursion1(3)

sum =5+ 4+ 3+Recursion1(2) // Recursion1(3)= 3+ Recursion1(2)

sum =5+ 4+ 3+2+Recursion1(1) // Recursion1(2)= 2+ Recursion1(1)

sum =5+ 4+ 3+2+ 1 // Recursion1(1) = 1 (因為 n=1 時ans =1，只是回傳給Recursion1(1)，並沒有全部為1

sum =15