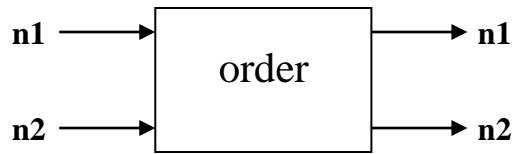


Homework 9

1. Write a subroutine order:

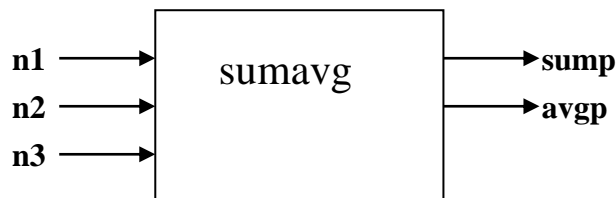


n1, n2 : call by address

After the calling and execution of order:

The smaller of its two argument values is stored in its first actual parameter and the larger is stored in its second actual parameter.

2. Write a subroutine sumavg that has three type double input parameters n1, n2, n3 and two output parameters sump, avgp.



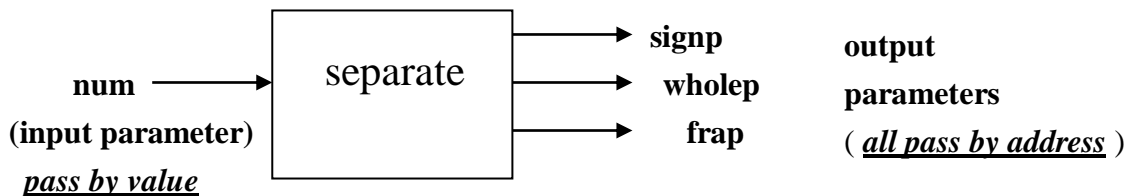
(Actually subroutine sumavg has five parameters:

n1, n2, n3: passed by value

sump, avgp: passed by address)

The subroutine computes the sum and average of its three input arguments.

3. Write a subroutine separate:



Function separate finds the sign, whole number magnitude, and fractional parts of its input parameter num. (可使用 math.h 之 function)

Prototype for separate:

```
void separate( double num,    // input value to be split
               char * signp,  // output -- sign of num
               int * wholep   // output – whole number magnitude of num
               double * fracp) // output – fractional part of num
```

4. (加分題, 可以不寫) This is an extra point question, you may not write.

Write a function that translates the amount of Arabic number into Chinese representation:

EX1: 7609802 ----- 柒佰陸拾萬玖仟捌佰零貳元整

EX2: 1009040300 ----- 拾億玖百零肆萬三佰元整

5. (加分題, 可以不寫) This is an extra point question, you may not write.

Write a program for an Automatic Teller Machine that dispenses money.(發錢功能)

**The user should enter the amount desired(a multiple of 10 dollars, 10 元的倍數)
and the machine dispenses this amount using the least number of bills.**

The bills dispensed are 50s, 20s, and 10s. Write a function that determines how many of each kind of bill to dispense.