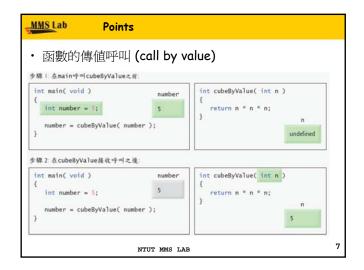
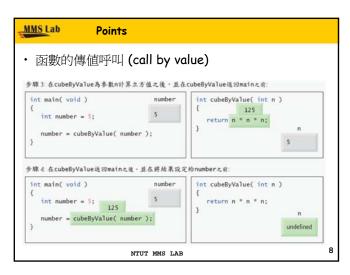


```
** 整數指標變數(int *)與整數(int)

| principle action hore | principle action | principle action | principle | principle action | principle action
```



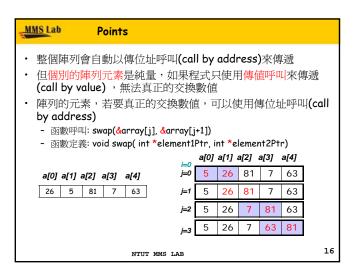


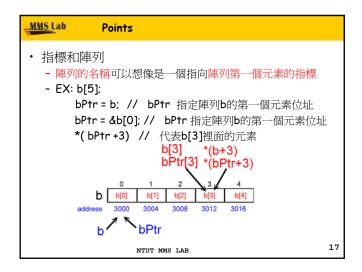
```
MMS Lab
                 Points
· 函數的傳位址呼叫 (call by address )
                                           void cubeByReference( int *nPtr )
  int number = 5;
                                            *nPtr = *nPtr * *nPtr * *nPtr;
                                                                  nPtr
   cubeByReference( &number );
                                                                undefined
步驟 2: 在呼叫cubeByReference之後,在*nPtr的立方值計算之前
 int main( void )
                                          void cubeByReference( int *nPtr )
                               number
   int number = 5;
                                            *nPtr = *nPtr * *nPtr * *nPtr;
   cubeByReference( &number );
                                          call establishes this pointer
                                                                          11
                          NTUT MMS LAB
```

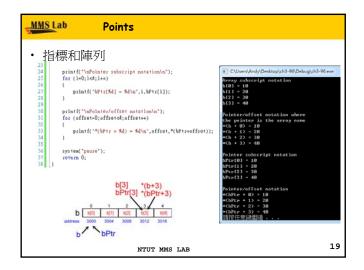


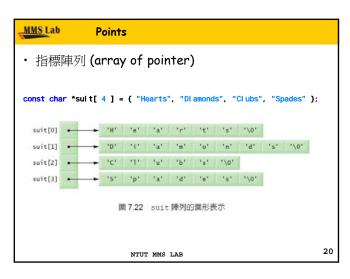
```
MMS Lab
                      Points
· 函數的傳參考呼叫 (call by reference)
       C沒有支援call by reference, 需要把main.c改成main.cpp
       #include <stdlib.h>
       void cubeByReference( int &nPtr );
       int main (void)
           int number = 5;
printf("The original value of number is %d", number);
           cubeByReference( number );
          printf("\nThe new value of number is %d\n", number);
system("pause");
return 0;
                                                       C:\c_code\ch3-90\Debug\ch3-90.exe
                                                      The original value of number is 5
The new value of number is 125
請按任意鍵繼續 . . .
      ⇒void cubeByReference(int &nPtr)
          nPtr = nPtr * nPtr * nPtr:
                                                                                             13
                                 NTUT MMS LAB
```

```
MMS Lab
                        Points
・ 氣泡排序 (bubble sort)使用call by address
    - 函數呼叫: swap(&array[j], &array[j+1])
     - 函數定義: void swap( int *element1Ptr, int *element2Ptr)
   #include <stdio.h>
#include <stdlib.h>
#define SIZE 10
                                                             bubbleSort(a, SIZE);
                                                              printf("\nData items in ascending order\n");
    void bubbleSort(int * const array, const int size);
                                                              for (i=0; i<3IZE; i++)
   int main( wold )
                                                                printf("Md", a[i]);
       int a[SIZE] = (2, 6, 4, 8, 10, 12, 89, 68, 45, 37);
int 1;
                                                              printf("\n");
system("pause");
return 0;
      printf("Data items in original order\n");
       for (i=0; i<2IZE; i++ )
          printf("$4d",a[i]);
                                                                                                 14
                                   NTUT MMS LAB
```









```
**MMS Lab Points

* 模擬發牌程式一指標陣列 (array of pointer)

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```

