Arrays

1.

0 0 0 0 0 0 1 0 0 1 1 1 (注意陣列被定義時，元素全部初始化為 0)

2.

a[0][0] is 1
a[0][1] is 0
a[1][0] is 2
a[1][1] is 3
a[2][0] is 0
a[2][1] is 0

2.

sizeof la is 400
sizeof pla is 4 ----> 8   (sizeof(any*) in 64xcomputer is 8)
sizeof la is 400

5.

add : 5
mult: 6

More on Pointers and Array

注意:

arr[i] is an alias of *(a+i). Furthermore, i[arr] is valid.

Size of Pointers and Arrays

1.

sizeof(int)   :   4
sizeof(int[M])   :12
sizeof(int[N])   :   8
sizeof(int[N][M]) : 24
sizeof(int[M][N]) : 24
sizeof(void*)   :   8
sizeof(int*)   :   8
sizeof(int**)   :   8
sizeof   a   : 24

```
sizeof    *a          :   4
sizeof     b          : 24
sizeof    *b          : 12
sizeof **b            :   4
sizeof     c          : 24
sizeof    *c          :   8
sizeof **c            :   4
sizeof     pa         : 24
sizeof    *pa         :   4
sizeof     pb         : 16
sizeof    *pb         :   8
sizeof **pb           :   4
sizeof     pc         : 24
sizeof    *pc         :   8
sizeof **pc           :   4
```

注意:
Whatever the pointer(etc:void*,int*,int**,int*****….) is, it should be 8-bytes.(64-bit computer)

2. Array as Arguments

8
8

3.
pt = &ar1[0][0];
pt = ar1[0];
pa = ar1;
p2 = &pt;
*p2 = ar2[0];

　　指標真的是很難，這次作業一邊做的時候我一邊看著講義，否則實在做不出來。我感覺有時候差一點就想出來了，卻還是選錯答案，或許我還不夠熟練指標的運用吧!經過這次的筆試練習，讓我覺得自己對於這個高深的概念又掌握了許多，對於 lab 躍躍欲試了呢。