

Homework 7

Problem 1

Array	Size of Element	Size of Array	Start Address	Address of i-th Element
S	2	10	x_S	$x_S + 2i$
T	4	16	x_T	$x_T + 4i$
U	4	24	x_U	$x_U + 4i$
V	8	64	x_V	$x_V + 8i$
W	4	28	x_W	$x_W + 4i$

Problem 2

M=5

N=7

Problem 3

A. Value of CNT;

CNT = 9

B. Declaration of struct a_struct, assuming that a_struct contains only idx and x;

```
struct a_struct {  
    int idx;  
    int x[4];  
}
```

结构体中成员的声明顺序不能颠倒。

Problem 4

Just to let:

```
username[20] = 0xda;  
username[21] = 0x13;  
username[22] = 0x40;  
username[23] = 0x00;
```