

# Homework09

## Chapter9

- **17.2** : No, because we use the stack to store the different address.
- **17.8** :

```
#include<stdio.h>
int main(){
    int n;
    int a=1,b=1,c;
    scanf("%d",&n);
    for(int i=1;i<n;i++){
        c=a+b;
        a=b;
        b=c;
    }
    printf("%d",c);
}
```

recursive: $2^n$  iterative: $n$

Because the recursive use many time to compute useless values.

- **17.12** :

- a. No
- b. 7
- c. 4

- **17.14**

9  
7  
5  
3  
1  
2  
4  
6  
8  
10