# 指標與時間複雜度練習

- ❖ 練習指標
- ❖ 練習計算時間複雜度



## 指標練習

```
int num, *p1, *p2;

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num = 10;

p1 = #

p2 = ( int * ) malloc ( sizeof (int) );

*p2 = num;
```

# 計算時間複雜度

```
int i;
int j = 50; count ++;
for (.....) { count ++;
                             count ++;
                            count ++;
if (.....) {
return i;
         count ++;
```



# 計算時間複雜度

```
int array sum(int list[ ], int n)
37
38
39
          int tempsum = 0;
40
          int i;
41
42
          for (i = 0; i < n; i++)
43
44
              tempsum += list[i];
45
46
47
48
          return tempsum;
49
```



# 計算時間複雜度

```
37
     int array sum(int list[ ], int n)
38
                                                  1+n(1+1)+1+1
39
                             count ++;
         int tempsum = 0;
40
         int i;
                                                  =2n+3
41
42
         for (i = 0; i < n; i++)
43
             count ++;
44
             tempsum += list[i];
                                     count ++;
45
             count ++;
46
47
         count ++:
48
         return tempsum;
49
```