DSAP Homework4 手寫

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第一題

(a)

```
(a) bool match ( string s)
        stack st
        for each char c in S
           if c is '('
           { st. push('(')
           7 continue
           else if c is )
              if st. empty() return false
              else
              st.pop()
        de continue
     if stempty return true
return false
```

```
(b) void p_Item (stack st)
           stack temp
           while (! st. empty())
              temp. push (st. peek())
             St. pop()
           while (! temp: empty)
             temp. peelc(). print()
           temp. pop ()
```

```
void stack: print ()
   while ( ( this > empty(1)
      temp. push (this -> peek())
    y this -> pop()
   while (! temp, empty)
       temp. peek().print()
       this > push (temp. peelc())
      temp.pop()
```

```
(d) int C(n,k)
      int result stack st
       while (! st. empty())
            (n, le) = st. pop()
           if k=0 or k=1 result +=1
            else if k>n result += 0
            else
                st. push (c(n-1, k-1))
                st. push (c(n+,k))
       return result
```