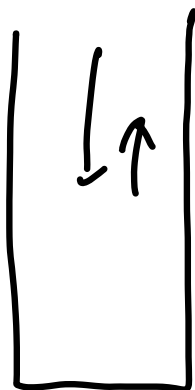


Stack

Queue



↳ Python list

Stack append

⇒ list  $O(n)$

$O(n)$

0

-1

$O(1)$

append

pop

$O(1)$

⇒ from collections import deque



2. 스택

⇒ 파이썬

...

함수를 Call 할 때  
= 호출

재귀 = 스택 구조

def f():

g()

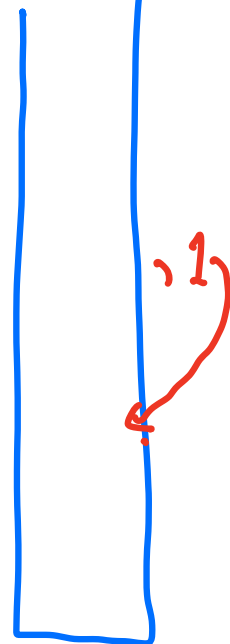
def g():

h()

def h():

return 1

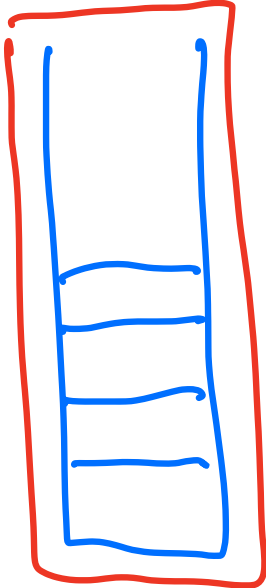
Call Stack



if "\_\_name\_\_" == "\_\_main\_\_"

f()

→ (재귀) ⇒ Call Stack



Recursion Error.

돌아올 수 있는 양이 정해져 있음

sys.setrecursionlimit(100000) ↘

K2 ~~2~~ 4 5X

3452

42.



- ②  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$  (25%)

$\eta$     $S$

$a b c d e f$

$\uparrow$

[ ]

~~quadratic~~  $O(n)$



enum.

포인트

mbti ⇒  $\begin{pmatrix} \text{ISTP} \\ \text{INFP} \\ \vdots \end{pmatrix}$

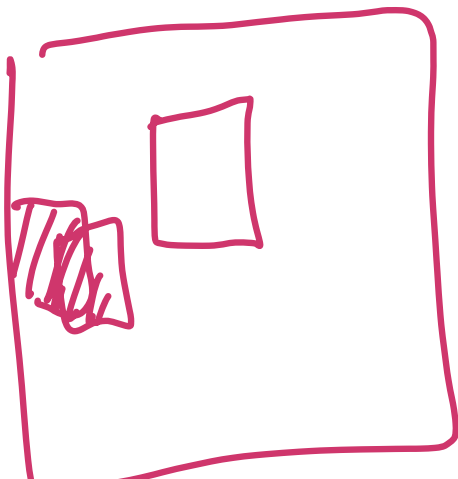
Switch  
Match  $\xrightarrow{3.10}$  mbti  
Case "INFP"

중첩된 범위 {

(3,7) → (3,7) ~ (12,7)  
⋮

} 새로 된 점들의 범위.

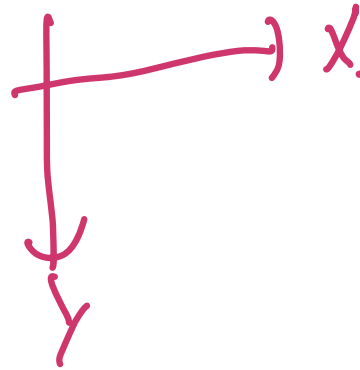
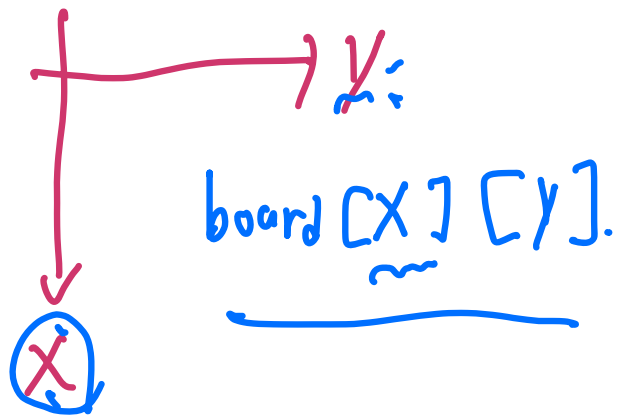
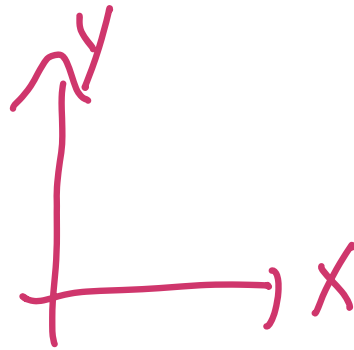
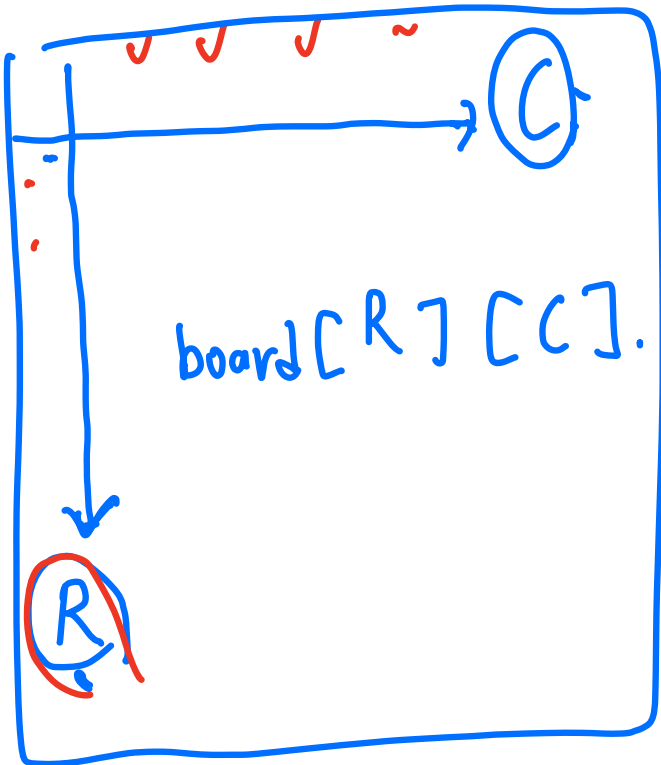
Union 연산 ↗



board[1][3] =

10x10

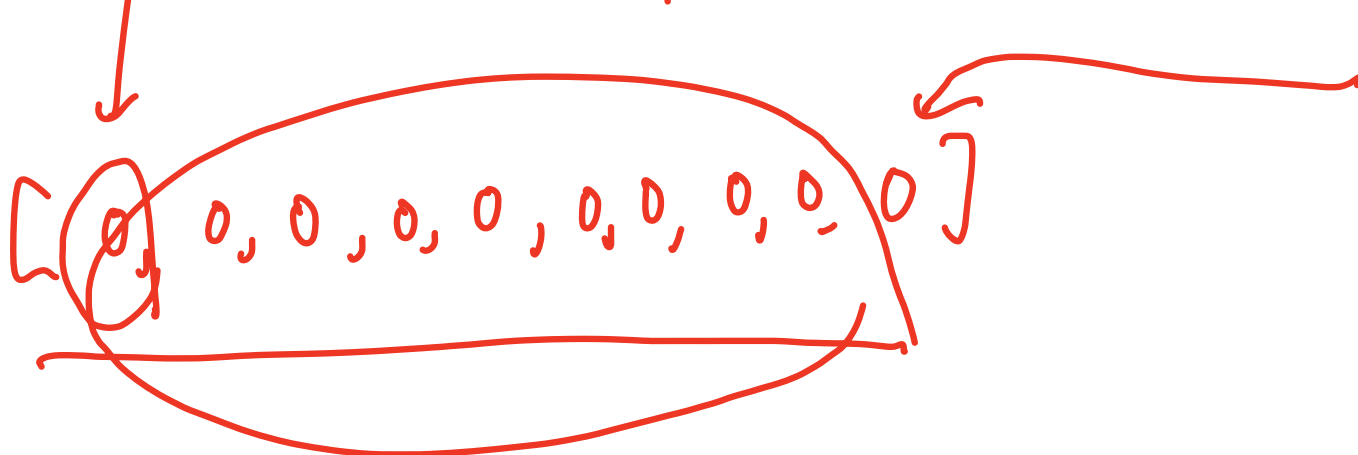
2. Row, Col  $\rightarrow$   $\{0, 1, \dots, 9\}$



$[ [0] \times 10 ] \times 10$

$[ 0 \text{ for } \_ \text{ in range}(10) ] \text{ for } \_ \text{ (in range}(10)) ]$

$[ [ \_ \times 10 \text{ for } \_ \text{ in range}(10) ]$

  
[0, 0, 0, 0, 0, 0, 0, 0, 0]

[0] [0]  
[0] [0]  
[0] [0]

python 3

vs

py py 3.

                      
↓

caching x

X

↑  
time

↓  
memory

                      
↓

caching a

↓  
time

↑  
memory