

Ex 5.

array		length = 8					
0	1	2	3	4	5	6	7
12	20	22	26	30	41	50	60

①

check if answer is in the mid. stack

Search (array, 0, mid-1, goal)

Search (array, 0, mid+1, goal)

$$(0+7)/2 = 3$$

$$mid = (0+7)/2 + 1 = 4$$

②

search (array, 0, mid-1, goal)

③

pop →

push →

push →

pop

pop

push →

push →

push →

search (0-1)

search (0,0)

search (0,0)

search (0-1)

search (0-3)