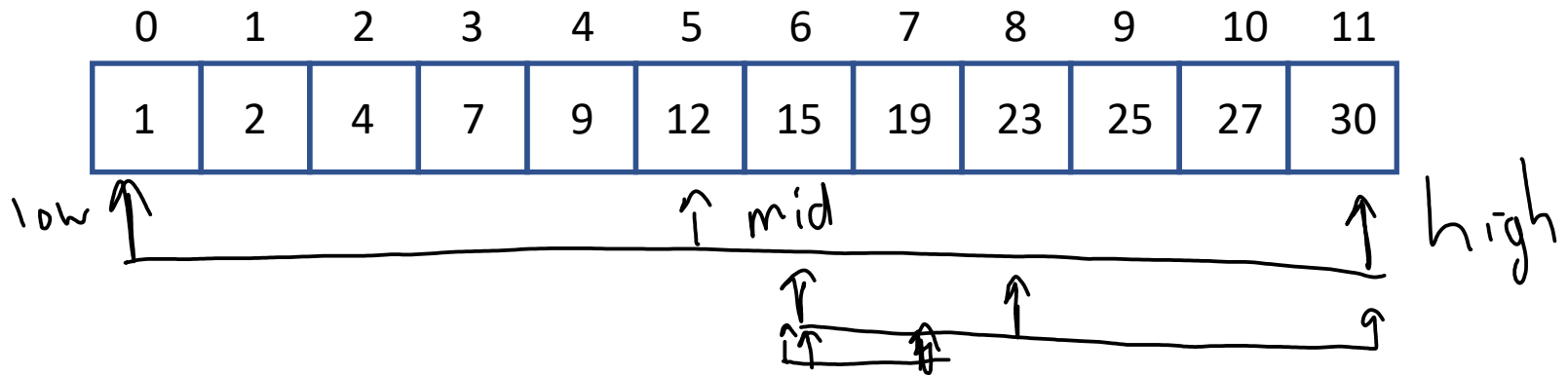


# Binary Search (n=15)

data must be in order

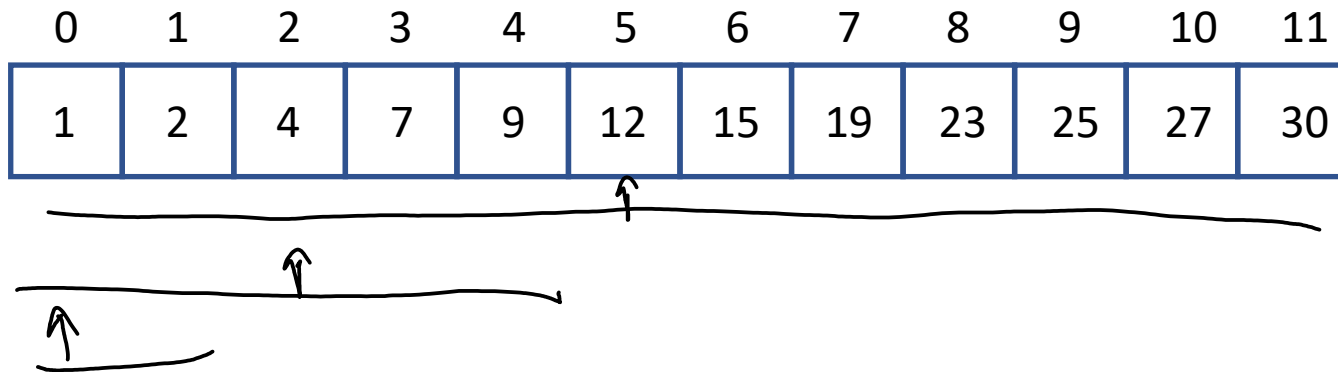


index	index	index	
low	high	mid	data[mid]
0	11	5	12
6	11	8	23
6	7	6	15
		mid	

$15 > 12$   
 $15 < 23$   
 $15 = 15$

# Binary Search (n=3)

n=3



low	high	mid	data[mid]
0	11	5	12
0	4	2	4
0	1	0	1
1	1	1	2
2	1		

low > high

3 < 12  
3 < 4  
3 > 1  
3 > 2

# Compare Searches

