

i \ j	0	1	2	3	4	5	6
0			X	X	X	X	
1		X					
2	X						
3		X	X	X	X	X	
4			X				
5				X			
6					X		

$$i = 0 \wedge 2 \leq j \leq 5$$

$$S_n \rightarrow (j = i - 2) \vee (j = -i + 2) \vee (i = 0 \wedge 2 \leq j \leq 5) \vee (i = 3 \wedge 1 \leq j \leq 6)$$

$$j = -i + 2$$

i \ j	3	4	5	6
3	X			
4		X		
5			X	
6				X

$$i = 3 \wedge 1 \leq j \leq 6$$

i \ j	2	3	4	5	6
2	X				
3		X			
4			X		
5				X	
6					X

$$j = i - 2$$

i \ j	0	1	2	3	4	5	6	7	8
0	X	X	X	X	X	X	X	X	X
1	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X
3			X						
4				X					
5					X				
6						X			

i \ j	0	1	2	3	4	5	6
0	X						
1		X					
2			X				
3				X			
4					X		
5						X	
6							X

$$i = j \quad i \leq 2 \quad (i < 3)$$

$$S_n \rightarrow (i = j) \vee (i \leq 2)$$

i \ j	0	1	2	3	4	5	6	7	8
0	X	X	X	X	X	X	X	X	X
1	X	X						X	X
2	X		X			X		X	X
3	X			X	X			X	X
4	X				X			X	X
5	X		X	X		X		X	X
6	X	X				X	X	X	X
7	X	X					X	X	X
8	X	X	X	X	X	X	X	X	X

i \ j	0	1	2	3	4	5	6	7	8
0	X								
1		X							
2			X						
3				X					
4					X				
5						X			
6							X		
7								X	
8									X

$$i = j \quad j = -i + 8$$

i \ j	8	7	6	5	4	3	2	1	0
8	X								
7		X							
6			X						
5				X					
4					X				
3						X			
2							X		
1								X	
0									X

$$i = 0 \vee i = 8 \quad j = 0 \vee j = 8$$

$$S_n \rightarrow (i = 0 \vee i = 8) \vee (j = 0 \vee j = 8) \vee (i = j) \vee (j = -i + 8)$$