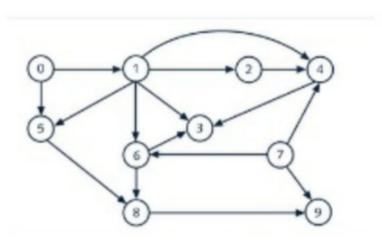
## List the nodes of the graph in a breadth first topological ordering. Show the steps using arrays predCount, topologicalOrder and a queue



#1										
predCou	nt[]									
0	1	2	3	4	5	6	7	8	9	
0	1	1	3	3	2	2	0	2	2	
Queue	•	•		•	•		•	•		
0		7								
Sort										
0										

predCount[1] = predcount[1] - 1 predCount[5] = predcount[5] + 1

## #2 predCount[]

0	1	2	3	4	5	6	7	8	9
0	0	1	3	3	1	2	0	2	2
Queue									
7		1							

7		1				
Sort						
0	7					

Next in line = 4, 6, 9

<b>#2</b>									
#3 predCount[]									
0	1	2	3	4	5	6	7	8	9
0	0	1	3	2	1	1	0	2	1
Queue	I.	<u>I</u>				<u> </u>	l	<u> </u>	<u> </u>
1									
Sort		1						u .	
0	7	1							
Next in line	= 2,3,4,5,6	·				·	ı	·	
#4									
predCount[]									
0	1	2	3	4	5	6	7	8	9
0	0	0	2	1	0	0	0	2	1
Queue									
2		5		6					
Sort		1						u .	
0	7	1	2						
Next in line	= 4	I							
#5									
<pre>predCount[] 0</pre>	1	2	3	4	5	6	7	8	9
0	0	0	2	0	0	0	0	2	1
Queue									
5		6		4					
Sort									
0	7	1	2	5					
Next in line	= 8	l							
#6									
predCount[]									
0	1	2	3	4	5	6	7	8	9
0	0	0	2	0	0	0	0	1	1
Queue	<u> </u>	<u> </u>				l	<u> </u>	l	<u> </u>
6		4							
Sort		1		1		1		1	
0	7	1	2	5	6				
	L	i				l		l	

 $\begin{array}{|c|c|}\hline 0 & 7 \\ \hline \text{Next in line} = 3.8 \\ \hline \end{array}$ 

#7									
predCount[]									
0	1	2	3	4	5	6	7	8	9
0	0	0	1	0	0	0	0	0	1
Queue		1		T					
4		8							
Sort				II.		1		1	
0	7	1	2	5	6	4			
Next in line	= 8	<u> </u>							
""									
#8 predCount[]									
0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	1
Queue									
8		3							
Sort									
0	7	1	2	5	6	4	8		
Next in line									
#9									
predCount[] 0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0
Queue	0	U	U	U	U	U	U	U	U
3		9							
Sort									
0	7	1	2	5	6	4	8	3	
//10									
#10 predCount[]									
0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0
Queue		1	<u> </u>			<u> </u>	<u> </u>	<u> </u>	
9									
Sort						1		1	
0	7	1	2	5	6	4	8	3	9
	L '	<u> </u>	_	-	<u> </u>	*			-

	0 0
Sort	