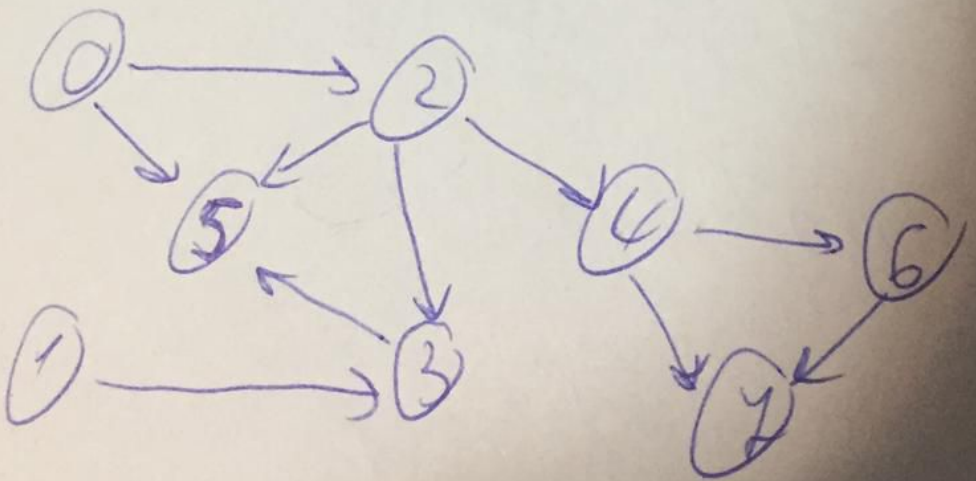
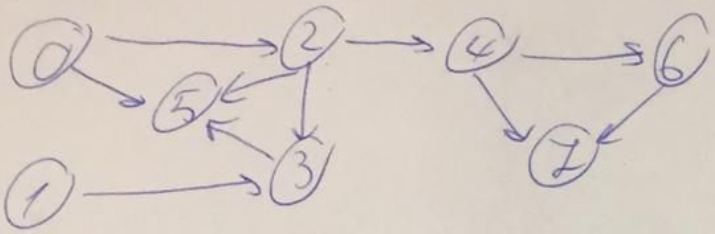
Act.	Duration	Prerequisites
0	1	—
1	3	—
2	1	0
3	2	1, 2
4	2	2
5	5	0, 2, 3
6	3	4
7	3	4, 6



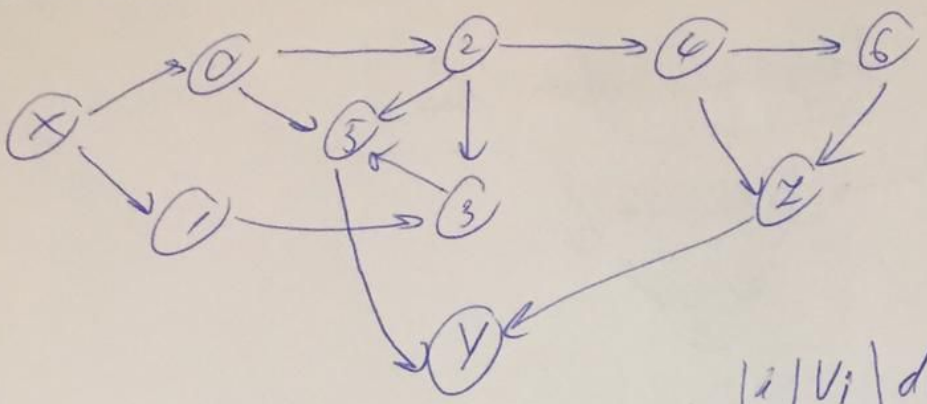
Topological sort (Tarjan's algorithm):



Calls	x, y	visited	sorted	processing
visit(0, [], [], [])	x=0 y=2	[]	[]	[0] [0,2]
↳visit(2, [], [], [0])	x=2 y=3	[]	[]	[0,2] [0,2,3]
↳↳visit(3, [], [], [0,2])	x=3 y=5	[]	[]	[0,2,3] [0,2,3,5]
↳↳↳visit(5, [], [], [0,2,3])	x=5 –	[] [5]	[] [5]	[0,2,3,5] [0,2,3]
↳↳visit(3, [5], [5], [0,2,3])	x=3 –	[5] [5,3]	[5] [3,5]	[0,2,3] [0,2]
↳visit(2, [5,3], [3,5], [0,2])	x=2 y=4	–//– [5,3]	–//– –//–	–//– [0,2,4]
↳↳visit(4, [5,3], [3,5], [0,2,4])	x=4 y=6	–//–	–//–	[0,2,4,6]
↳↳↳visit(6, –//–, –//–, [0,2,4,6])	x=6 y=7	–//–	–//–	[0,2,4,6,7]

↳↳↳↳ visit(7, —, —, [0,2,4,6,7])	x=7 —	[5,3,7]	[7,3,5]	[0,2,4,6]
↳↳↳ visit(6, [5,3,7], [7,3,5], [0,2,4,6])	x=6 —	[5,3,7,6]	[6,7,3,5]	[0,2,4]
↳↳ visit(4, [5,3,7,6], [6,7,3,5], [0,2,4])	x=4 y=7x —	[5,3,7,6,4]	[4,6,7,3,5]	[0,2]
↳ visit(2, [5,3,7,6,4], [4,6,7,3,5], [0,2])	x=2 y=5x —	[5,3,7,6,4,2]	[2,4,6,7,3,5]	[0]
visit(0, —, —, —)	x=0 y=5x —	[5,3,7,6,4,2,0]	[0,2,4,6,7,3,5]	[]
~~visit(1, [], [])~~ visit(1, [5,3,7,6,4,2,0], [0,2,4,6,7,3,5], [])	x=1 y=3x —	[5,3,7,6,4,2,0,1]	[1,0,2,4,6,7,3,5]	[1]

=> [1, 0, 2, 4, 6, 7, 3, 5]



Earliest:

$t_m(X) = t^*_m(X) = 0$

$V = [X, 1, 0, 2, 4, 6, 7, 3, 5, Y]$

i	V_i	$d(V_i)$	$t_m(V_i)$	$t^*_m(V_i)$
1	1	3	0	3
2	0	1	0	1
3	2	1	1	2
4	4	2	2	4
5	6	3	4	7
6	7	3	7	10
7	3	2	3	5
8	5	5	5 ~~10~~	10
9	Y	0	10	10

Latest:

$t_M(Y) = t^*_M(Y) = t^*_m(Y) = 10$

i	V_i	$d(V_i)$	$t_M(V_i)$	$t^*_M(V_i)$
8	5	5	~~10~~ 5	~~10~~ 5
7	3	2	~~5~~ 3	~~5~~ 5
6	7	3	7	10
5	6	3	4	7
4	4	2	2	4
3	2	1	1	2
2	0	1	0	1
1	1	3	0	3
0	X	0	0	0

$\Rightarrow$ all activities are critical