⇒

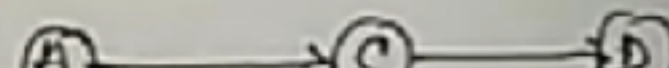① Graph directed হবে।

② Graph এ কোন cycle থাকবে না।

$u \rightarrow v$

③ Topological sort of a directed graph is a linear ordering of its vertices suc that every directed edge UV from vertices U to V, Where U comes

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Method:

① প্রতিটি vertices এর indegree (no of incoming edge) বের করতে হবে।
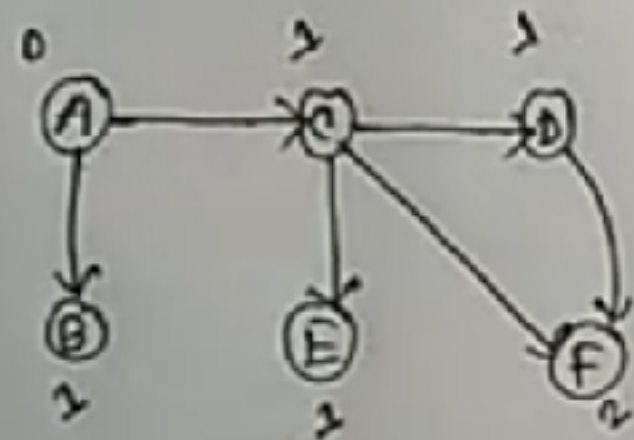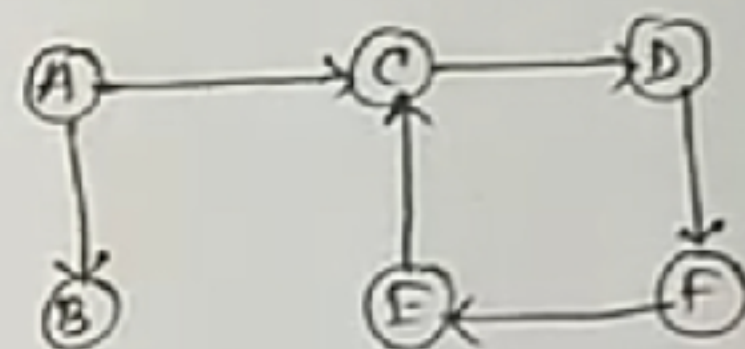
② vertices print করতে হবে, যার indegree = 0.

Print:

① প্রতিটা vertices এর indegree (no of incoming edge) বের কর (৩ রাখা।

⑪ ঐ vertices print করতে হবে, যার indegree = 0.

Print:

Print:

Method:

...ted edge UV from vertices U to V, where U comes before V.

① প্রতিটি vertices এর indegree (no of incoming edge) বের করতে হবে।

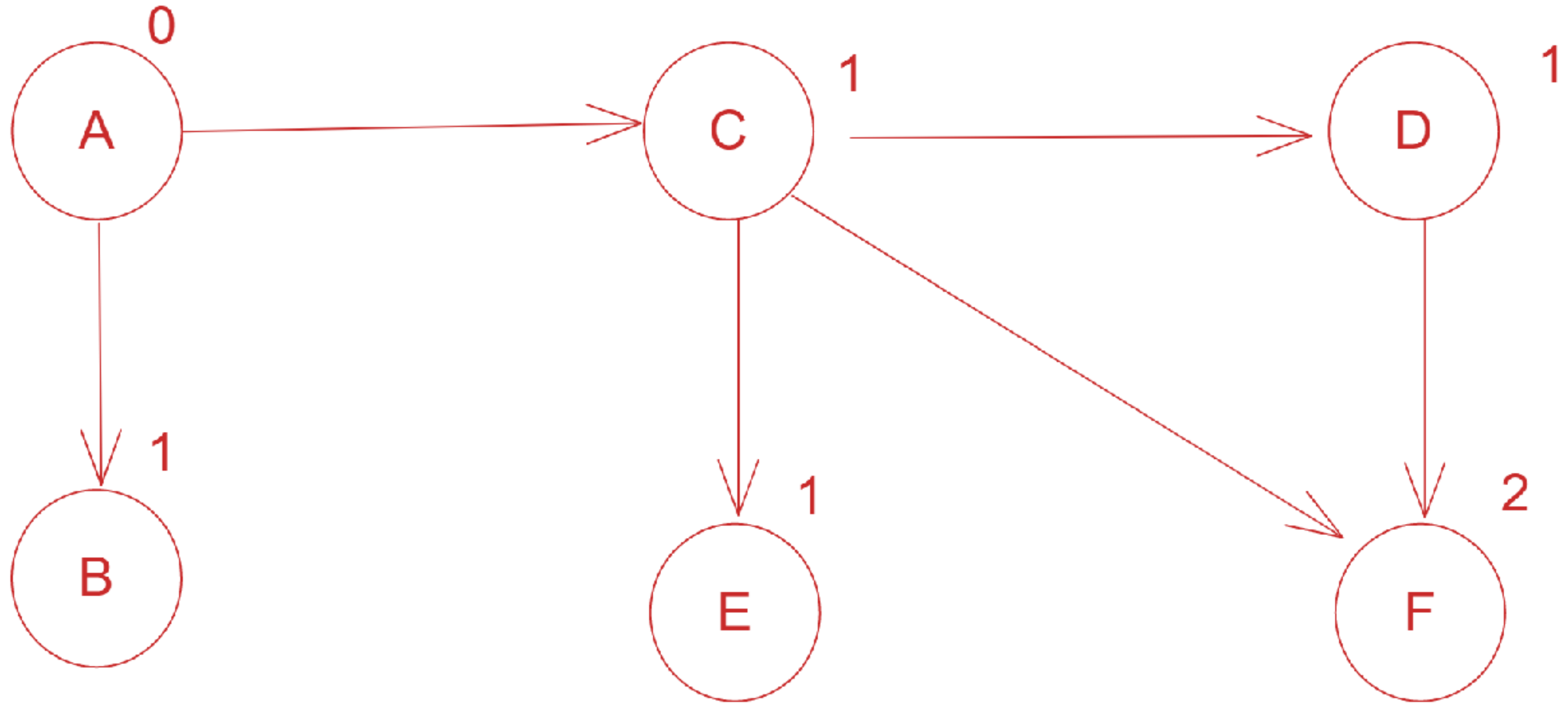⑪ ② vertices print করা হবে, যার indegree = 0.
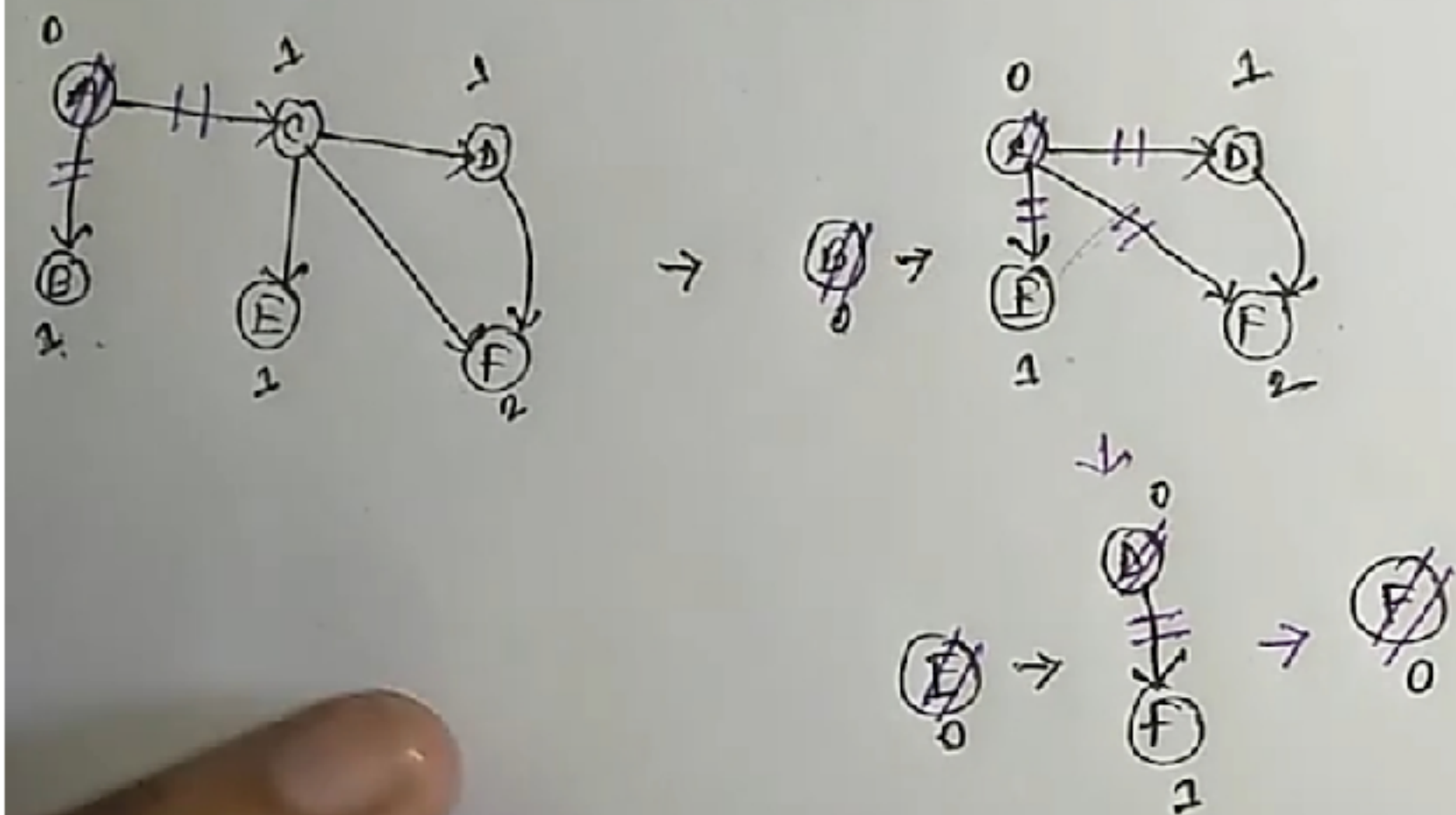
Print: |A B C E D F|

Print: A B
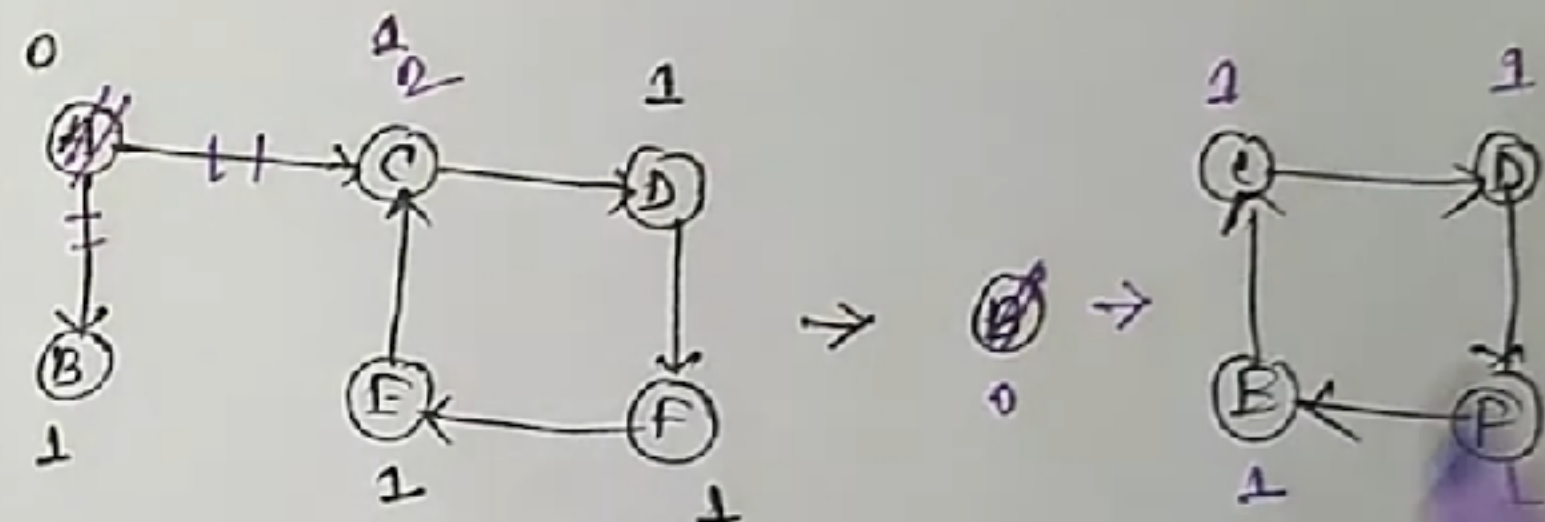
topological sort
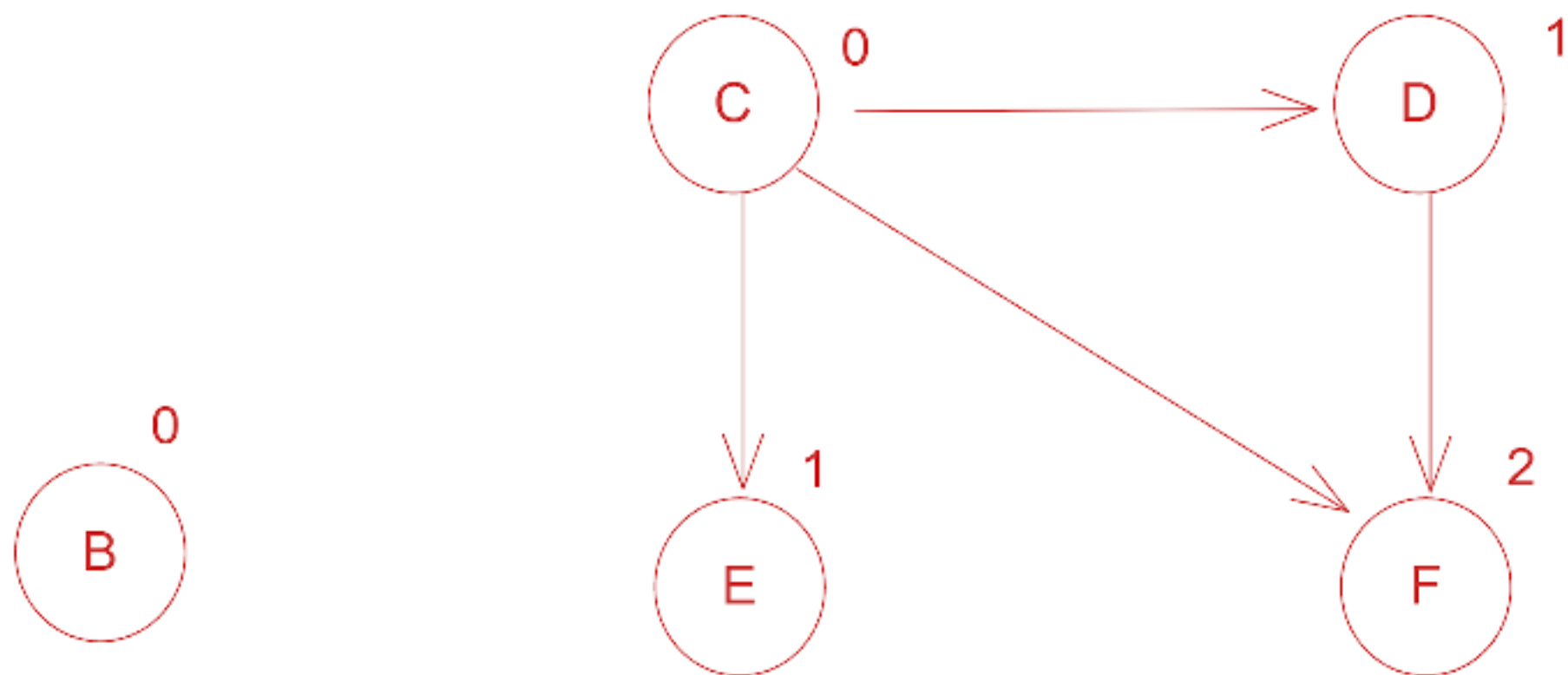
topological sort

topological sort

A	B		

topological sort

A	B	C	

topological sort

A	B	C	D		

E 0

F 0

topological sort

A	B	C	D	E	

F   0
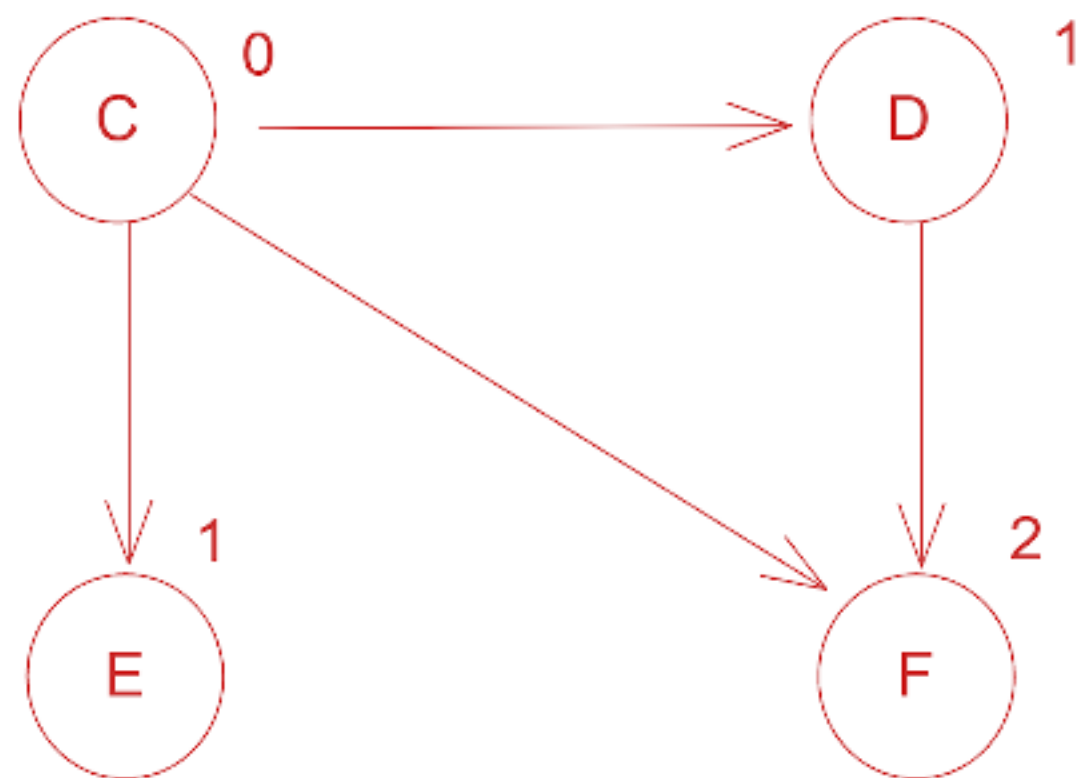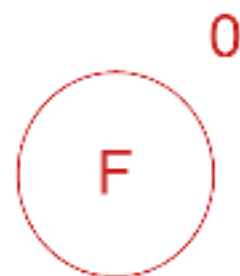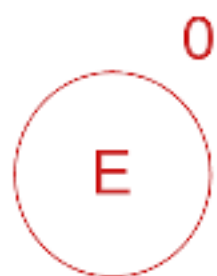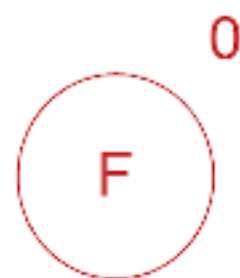
topological sort

| A | B | C | D | E | F |

topological sort

topological sort

topological sort

A	B				
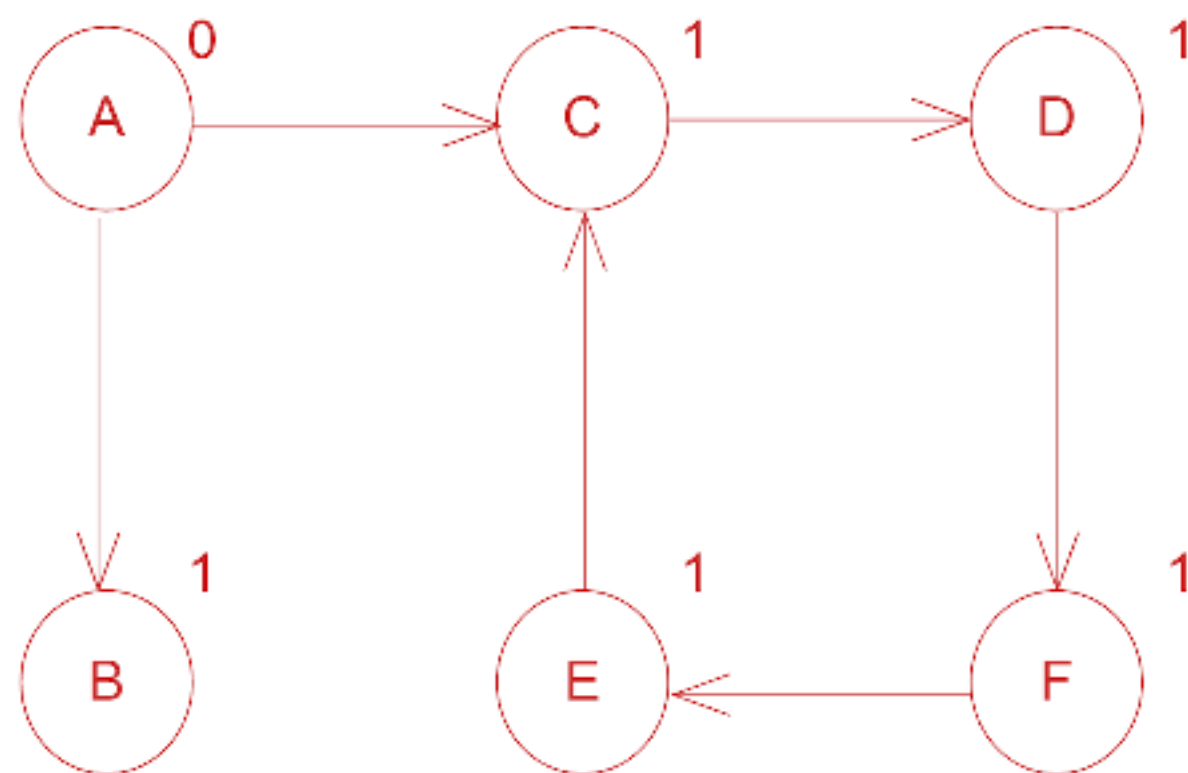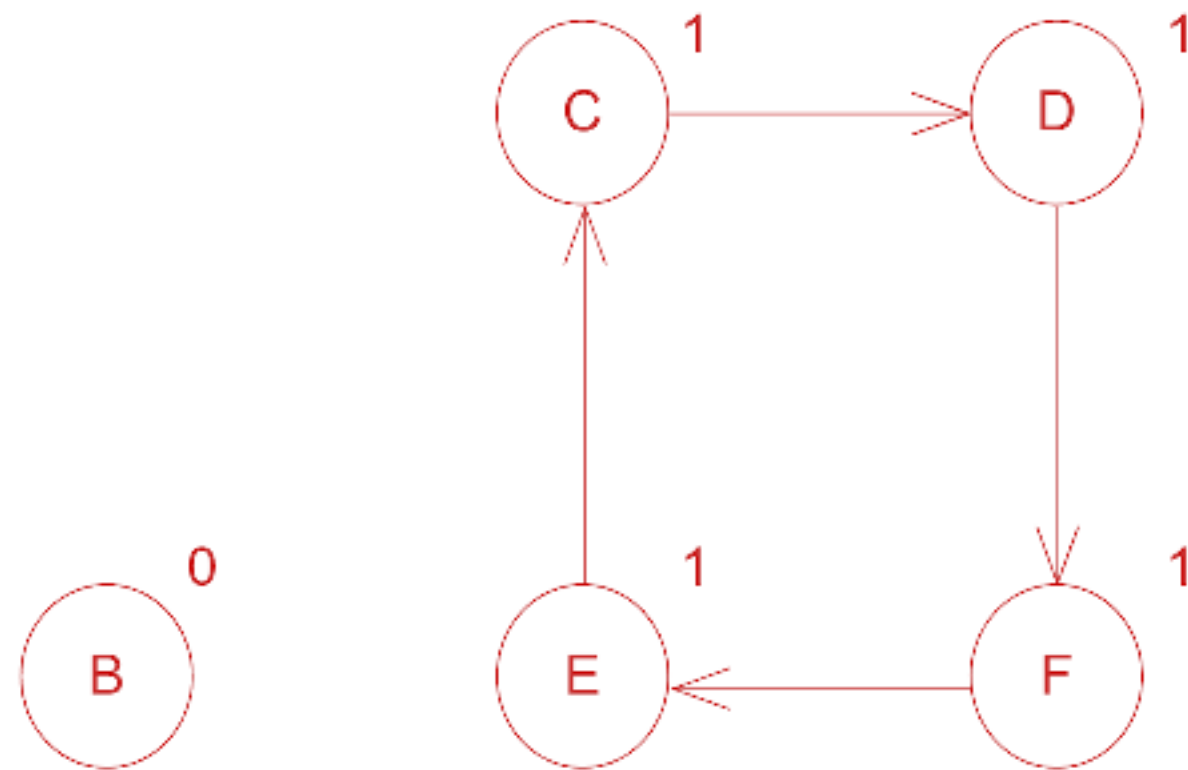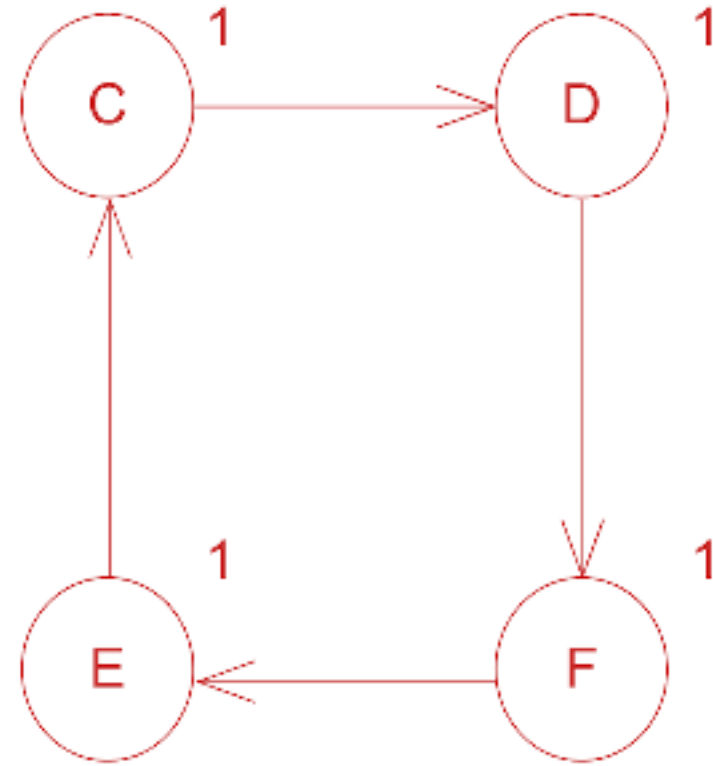
topological sort

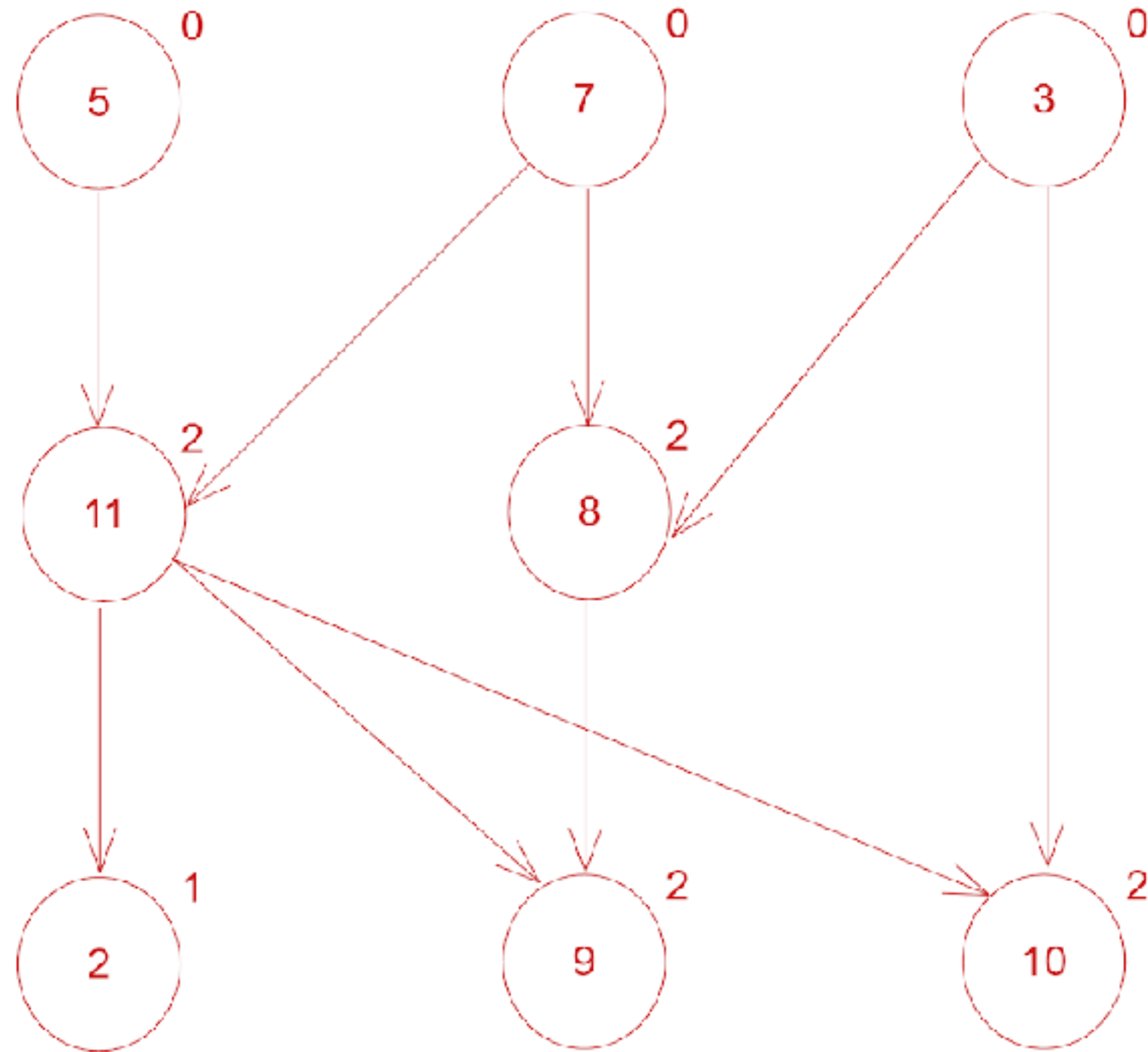| A	B				
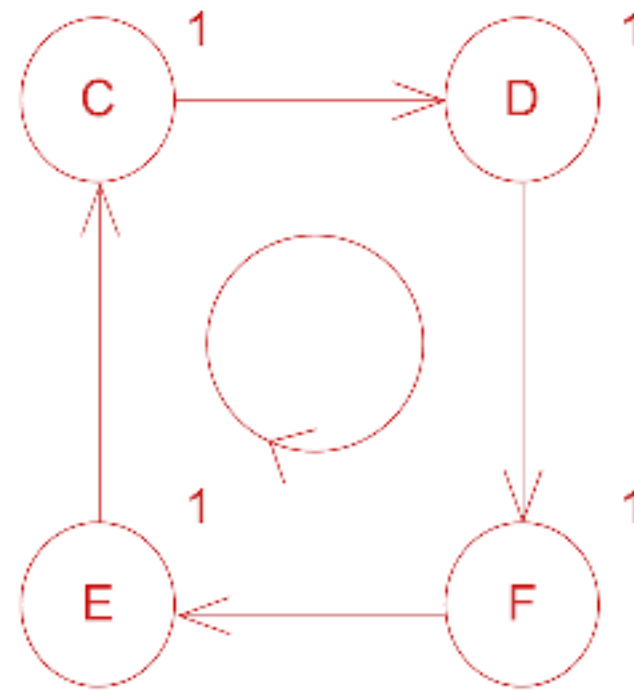
Cycle is not allowed in topological sort

So there will be no Topological sort here

topological sort
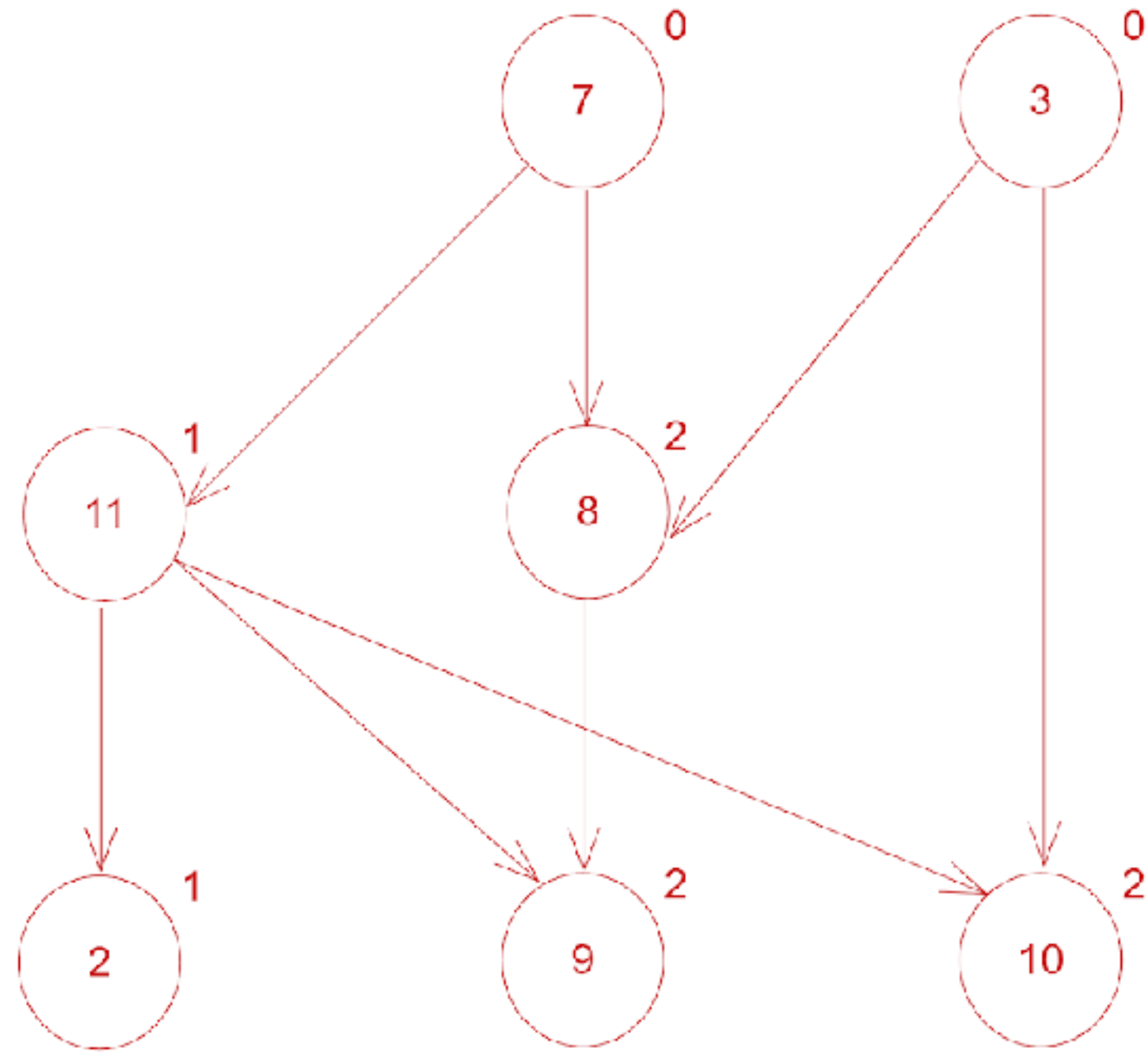
topological sort

topological sort
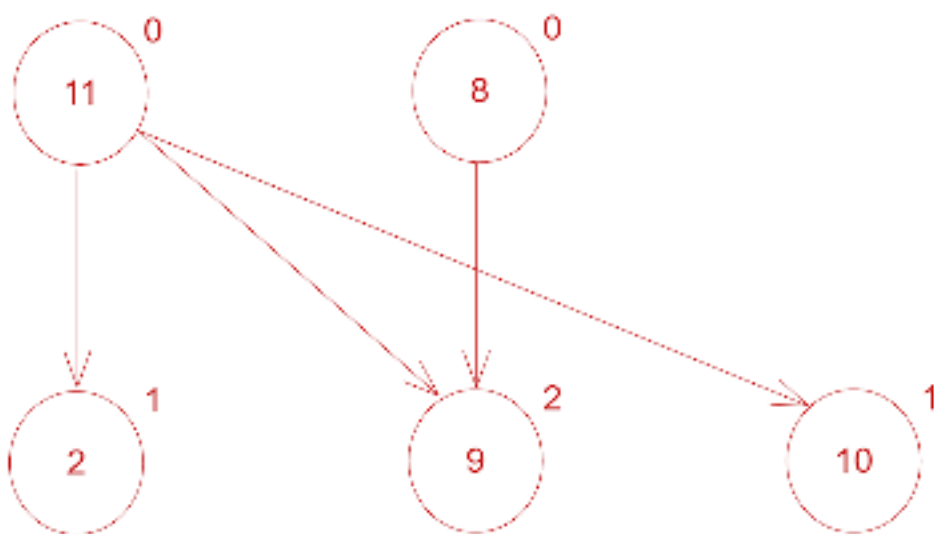
topological sort

5	3	7					

topological sort

5	3	7	8	11			

```
  2   0       9   0       10  0
```

topological sort

| 5 | 3 | 7 | 8 | 11 | 2 | 9 | 10 |