



Topological Sorting Phylist -> Graph Concepts & Qns " (Link in the Description)

1203. Sort Items by Groups Respecting Dependencies

QP 157

O Add to List

[Share

0,0-1)

0,1,... (1/1)

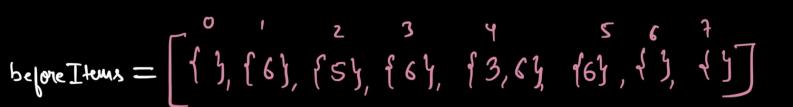
There are n items each belonging to zero or one of m groups where group[i] is the group that the i -th item belongs to and it's equal to -1 if the i-th item belongs to no group. The items and the groups are zero indexed. A group can have no item belonging to it.

Return a sorted list of the items such that:

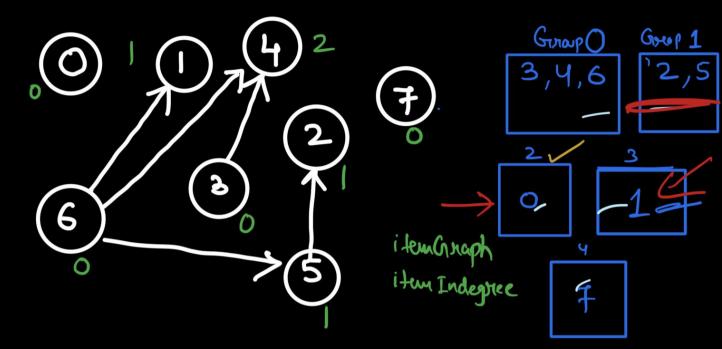
• There are some relations between these items where beforeItems[i] is a list containing all the items that should come before the i -th item in the sorted array (to the left of the i -th item).

Return any solution if there is more than one solution and return an empty list if there is no solution.

group =
$$\{-1, -1, 1, 0, 0, 1, 0, -1\}$$



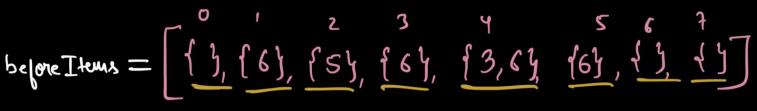
⑤ ② Aa %= ■ ⑥ Û ⑥ ⊙ Ø



= TOP: (group (vraph, grish),

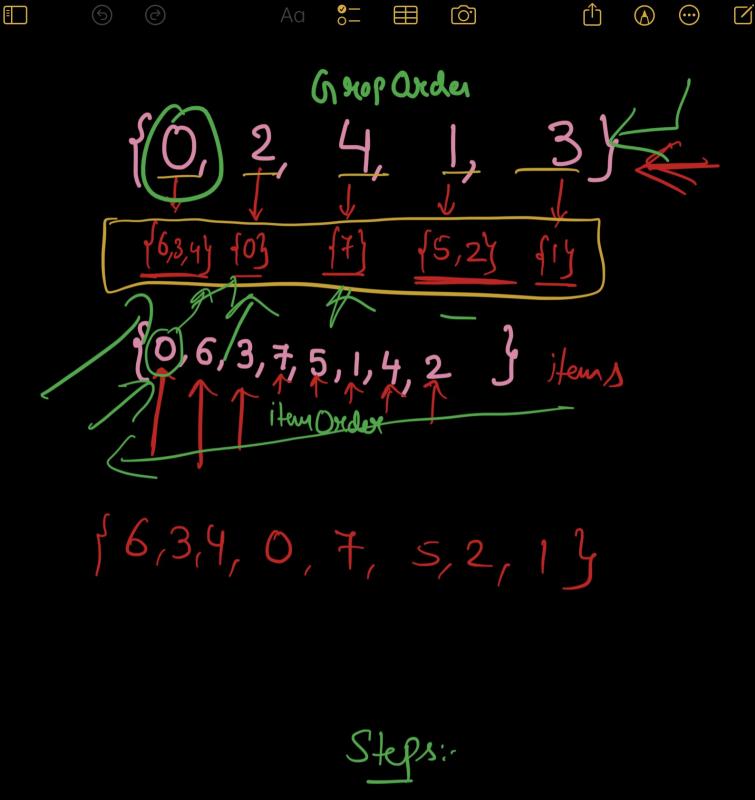
2 3 4 5 6





	item	before	Gnoup	
\rightarrow	0	{ }	2	
\rightarrow		{63	3	
\Rightarrow	(2)	{૬૫	(1)	0
\rightarrow	3	867	0	(2)
\rightarrow	(9)	((3,64)	(0)	(3)
\rightarrow	(3)	(63)		C194011 OC-011 O
\rightarrow	6		0	groupGirap
\rightarrow	7	۶ ۶	4	group Indegree

of 0,2,4,1,3} = Top logical (group brough, goog trange) Group order.



Steps: Steps: Sten Flagre.

(2) Grouphreigh, Gery Llige.

(3) item Oxder J. Topo: Sort.





1) item Graph, iten Folgree.

2) Grouphreuph, greng tilisce.

item Oxder Jopo'Sont-)
group Oxder

(F) iterate on itembrelen & applied in ordern.