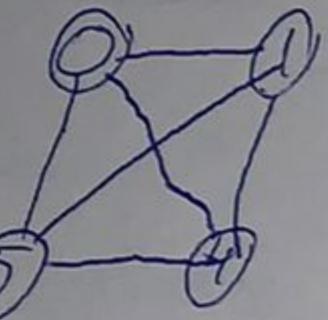


Manual execution connected comp. using DFS (1/2)

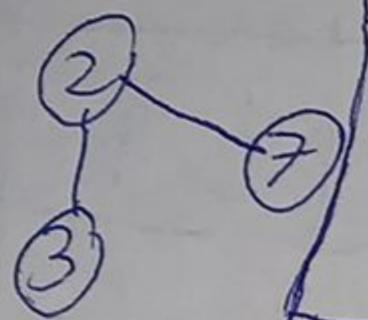
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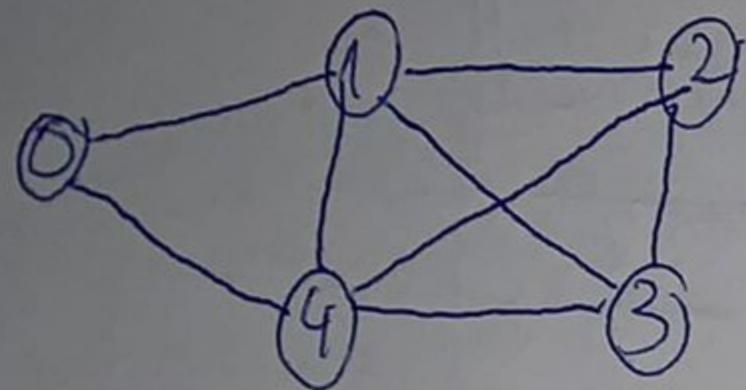
dict_out:

KEY	VALUE
0	[1, 4, 5]
1	[0, 5, 4]
2	[7, 3]
3	[2]
4	[0, 1, 5]
5	[0, 1, 4]
6	[]
7	[2]



	X	Y	Stack	processed	visited	
call DF(0)	0 1 5 4	1 5 4	0=Start 4 5 1	{0} {0, 4} {0, 4, 5} {0, 4, 5, 1}	{3}	Connected component:
call DF(2)	2 7 3	7 3	Start=2 3 7	{2} {2, 7} {2, 7, 3}	{0, 4, 5, 3}	Connected component:
call DF(6)	6		Start=6	{6}	{0, 1, 2, 3, 4, 5, 7}	Connected component:
					{0, 1, 2, 3, ..., 7}	

Manual execution connected comp. using DFS (2/2)



dict_out:

KEY	VALUE
0	[1, 4]
1	[0, 1, 3, 2]
2	[1, 3, 4]
3	[1, 2, 4]
4	[0, 1, 2, 3]

	X	Y	Stack	visited	processed
call DFS(0)	0	1	Start=0	{0}	{}
	1	4		{0, 3}	
	4	2		{0, 3, 2}	
	2	4		{0, 3, 2, 4}	
	3	1		{0, 1, 3, 2, 4}	
				{0, 1, 3, 2, 4, 1}	
				{0, 1, 3, 2, 4, 1, 5}	
				{0, 1, 3, 2, 4, 1, 5, 7}	
				{0, 1, 3, 2, 4, 1, 5, 7}	Set of vertices

Connected component:

