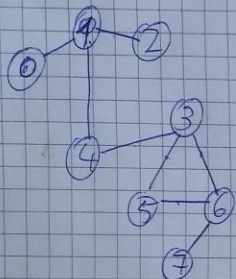


P2



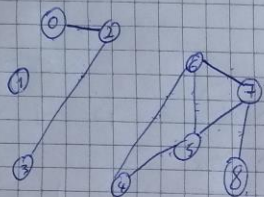
Vertex dictionary

key	value
0	[1]
1	[0, 4, 2]
2	[1]
3	[4, 6, 5]
4	[1, 3]
5	[3, 6]
6	[3, 7, 5]
7	[6]

Lab 2/03. Computed with DFS

Call	x	y	stack	acc	visited	res
call(0)	0		0	n=0	{}	
		1	1	{0}		
	1		4	{0, 4}		
		4	3	{0, 1, 4}		
	4		5	{0, 1, 4, 3}		
		3	6	{0, 1, 4, 3, 6}		
	3		7	{0, 1, 4, 3, 6, 7}		
		6	5	{0, 1, 4, 3, 6, 7, 5}		
	6		2	{0, 1, 4, 3, 6, 7, 5, 2}		
		7	0	{all}		

(P1)



Lab 2 ex3: Connected with DFS

Vertex dictionary

key	value
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⑥ - [27]

01- []

$$2 - [0, 3]$$
$$3 - [2]$$
$$4 \rightarrow \cancel{[0, 5]} [5, 6]$$
$$5 - [4, 6, 7]$$
$$6 - [4, 5, 7]$$
$$7 \in [6, 5, 8]$$
$$8 + [7]$$

calls	x	y	stack space	arr	vis	res
call(0)	0		$n=0$ <u>10</u> ↑	{0}		
		2	<u>2</u> ↑ <u>0</u>	{0, 2}		
	2		$\frac{3}{2}$ ↑	{0, 2, 3}		
		3	$\frac{3}{2}$ ↑	{0, 2, 3}		
call(1)			$n=1$		{0, 2, 3}	①-②-③
	1		<u>1</u> ↑	{1}		
call(4)			$n=4$		{0, 1, 2, 3}	④
	4		<u>4</u>	{4}		
		6	<u>6</u> <u>4</u>	{4, 6}		
	6		<u>6</u> <u>4</u>	{4, 6, 7}		
	7	8	<u>7</u> <u>4</u>	{4, 6, 7, 8}		
	5		<u>5</u> <u>4</u>	{4, 6, 7, 8}		
				call		④-⑤-⑥-⑦-⑧