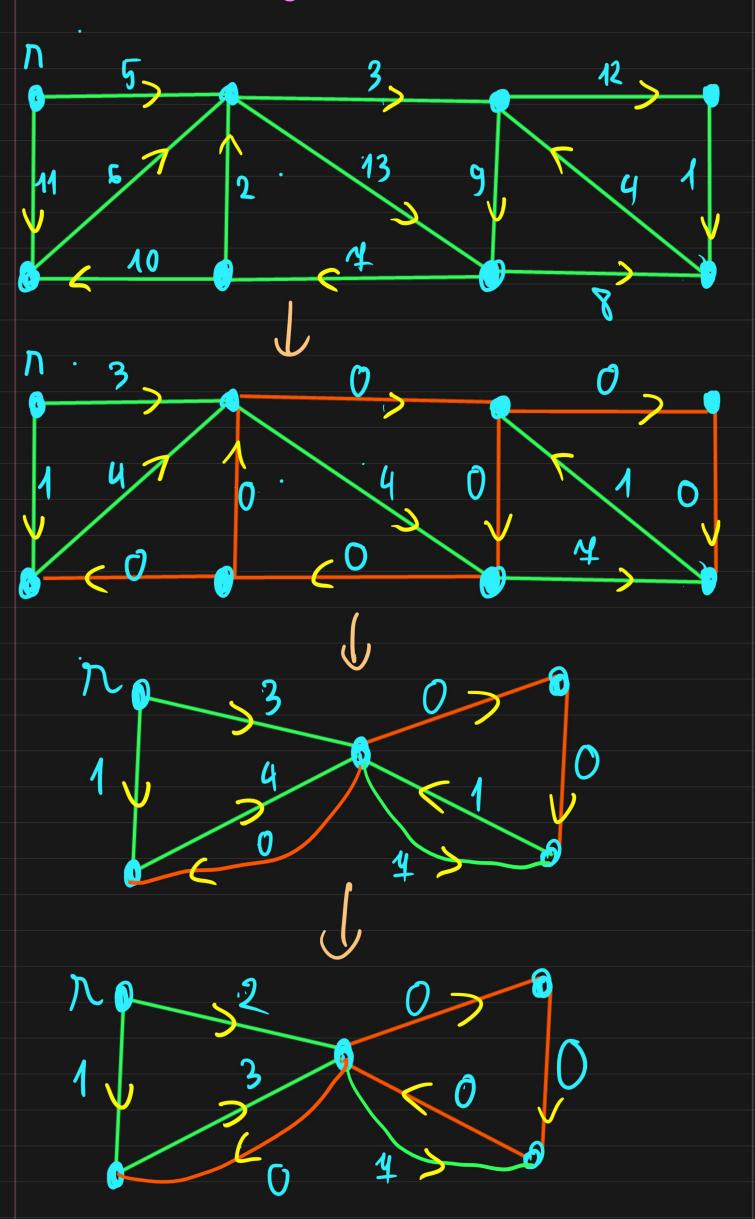
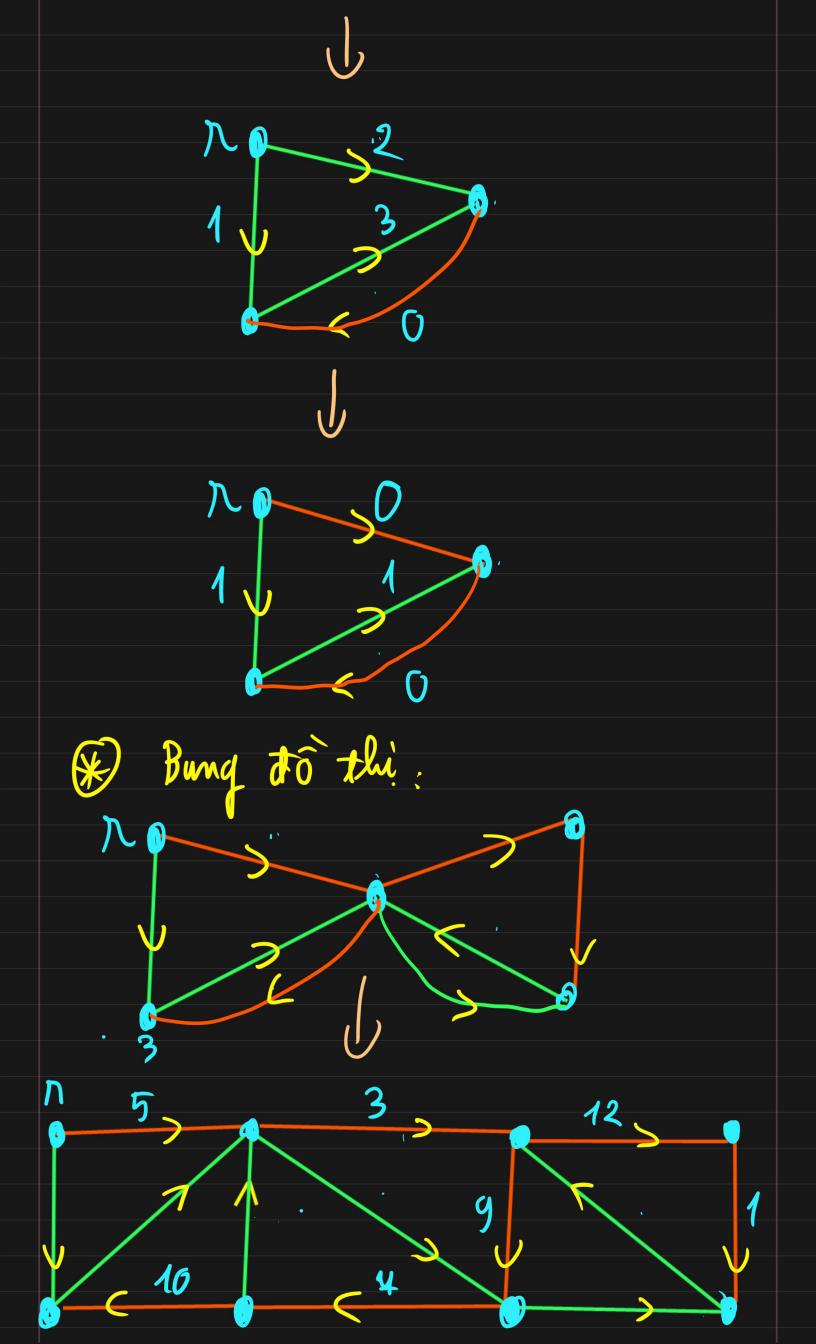
Cau 1: E-B





$$C = 5 + 3 + 12 + 1 + 9 + 4 + 40$$
 $= 20 + 10 + 14$ 
 $= 44$ 

## Câu 2:

	i	Vi	Wi		[ 0				if	i = 0		
	1	43	6	OPT(i,	w) = OPT	(i-1, w)			if	$W_i > W$		
	2	35	5				w), v +	OPT(i-1, w)		herwise		
	3	21	2		$\max \{ OPT(i-1, w), v_i + OPT(i-1, w-w_i) \}$ otherwise							
	4	17	1									
	5	24	4									
	6	49	3									
				•								
		0	1	2	3	4	5	6	7	8	9	
0	{}	0	0	0	0	0	0	0	0	0	0	
1	{1}	0	0	0	0	0	0	43	43	43	43	
2	{1,2}	0	0	0	0	0	35	43	43	43	43	
3	{1,2,3}	0	0	21	21	21	35	43	56	64	64	
4	{1,2,3,4}	0	17	21	38	38	38	52	60	73	81	
5	{1,2,3,4,5}	0	17	21	38	38	41	52	62	73	81	
6	[1,2,3,4,5,6]	0	17	21	49	66	70	87	87	90	101	

Can 
$$5!T(n) = 64T(\frac{n}{8}) - n^2 logn$$

$$a = 64 \cdot b = 8$$

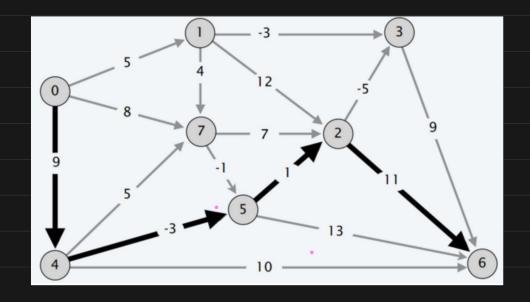
$$h = log_8 6u = 2$$

$$f(n) = n^2 logn$$

$$50 sinh m^2 < n^2 logn$$

=) O(n) = n² log² n

## Câu 3: B-F Dich



	0	1	2	3	4
(d[0],s[0])	(M,NULL)		19;4	11;1	
(d[1],s[1])	(M,N)		23;2   6;3		
(d[2],s[2])	(M,N)	11;6	4;3		
(d[3],s[3])	(M,N)	9;6			
(d[4],s[4])	(M,N)	10;6		9;5	2;5
(d[5],s[5])	(M,N)	13;6	12;2	5;2	
(d[6],s[6])	(0,N)				
(d[7],s[7])	(M,N)		18;2   12;5	11;2	4;5

$$d(0) = 11: 0 \rightarrow 1 \rightarrow 3 \rightarrow 6$$

$$d(1) = 6: 1 \rightarrow 3 \rightarrow 6$$

$$d(2) = 4: 2 \rightarrow 3 \rightarrow 6$$

$$d(3) = 9: 3 \rightarrow 6$$

$$d(4) = 2: 4 \rightarrow 5 \rightarrow 2 \rightarrow 3 \rightarrow 6$$

$$d(5) = 5: 5 \rightarrow 2 \rightarrow 3 \rightarrow 6$$

$$d(6) = 0: 6 \rightarrow 6$$

$$d(7) = 4: 7 \rightarrow 5 \rightarrow 2 \rightarrow 6$$