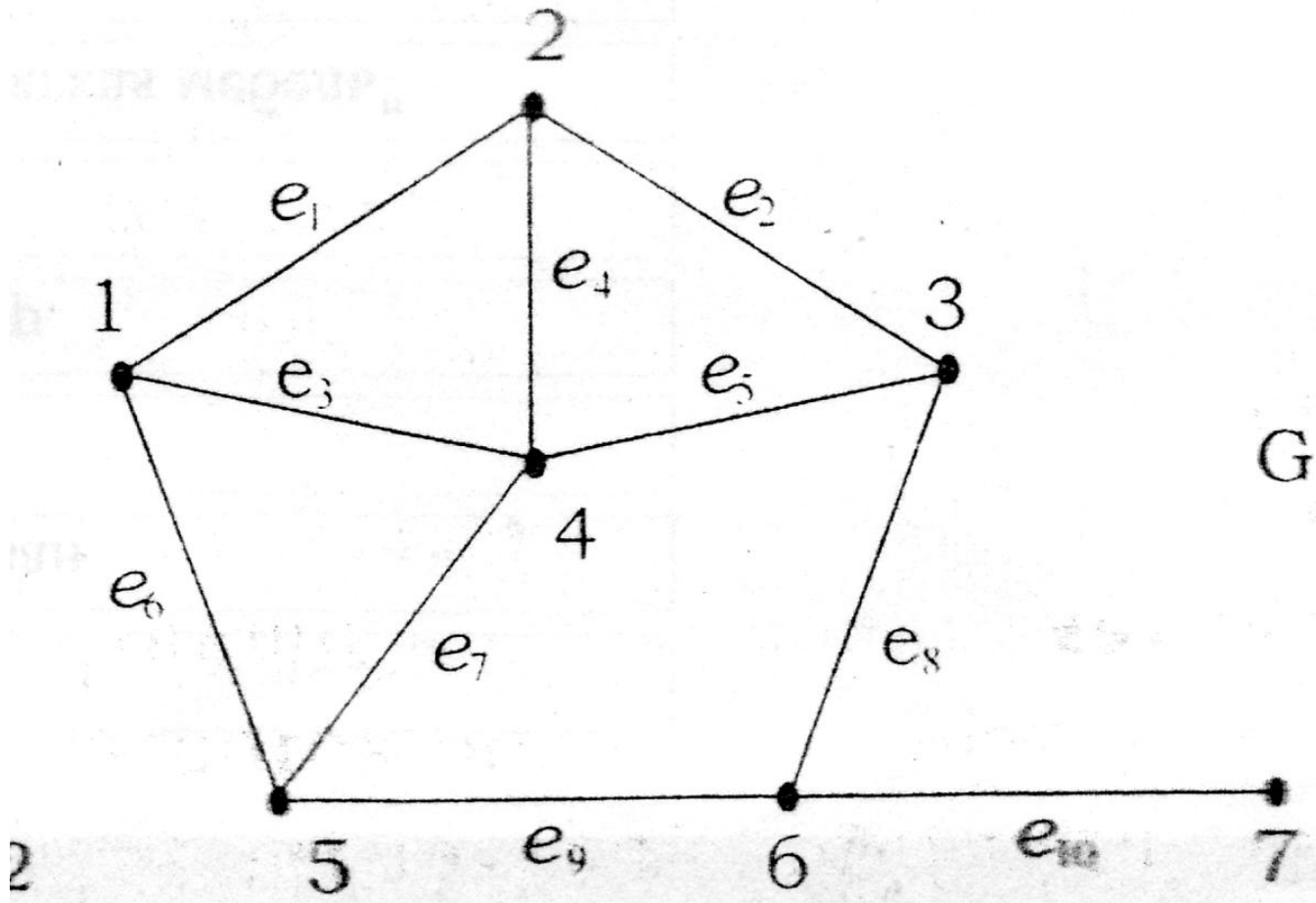


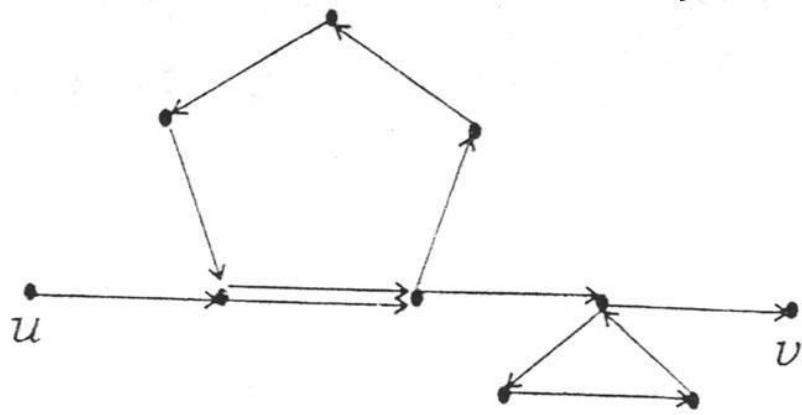
Лекция 15

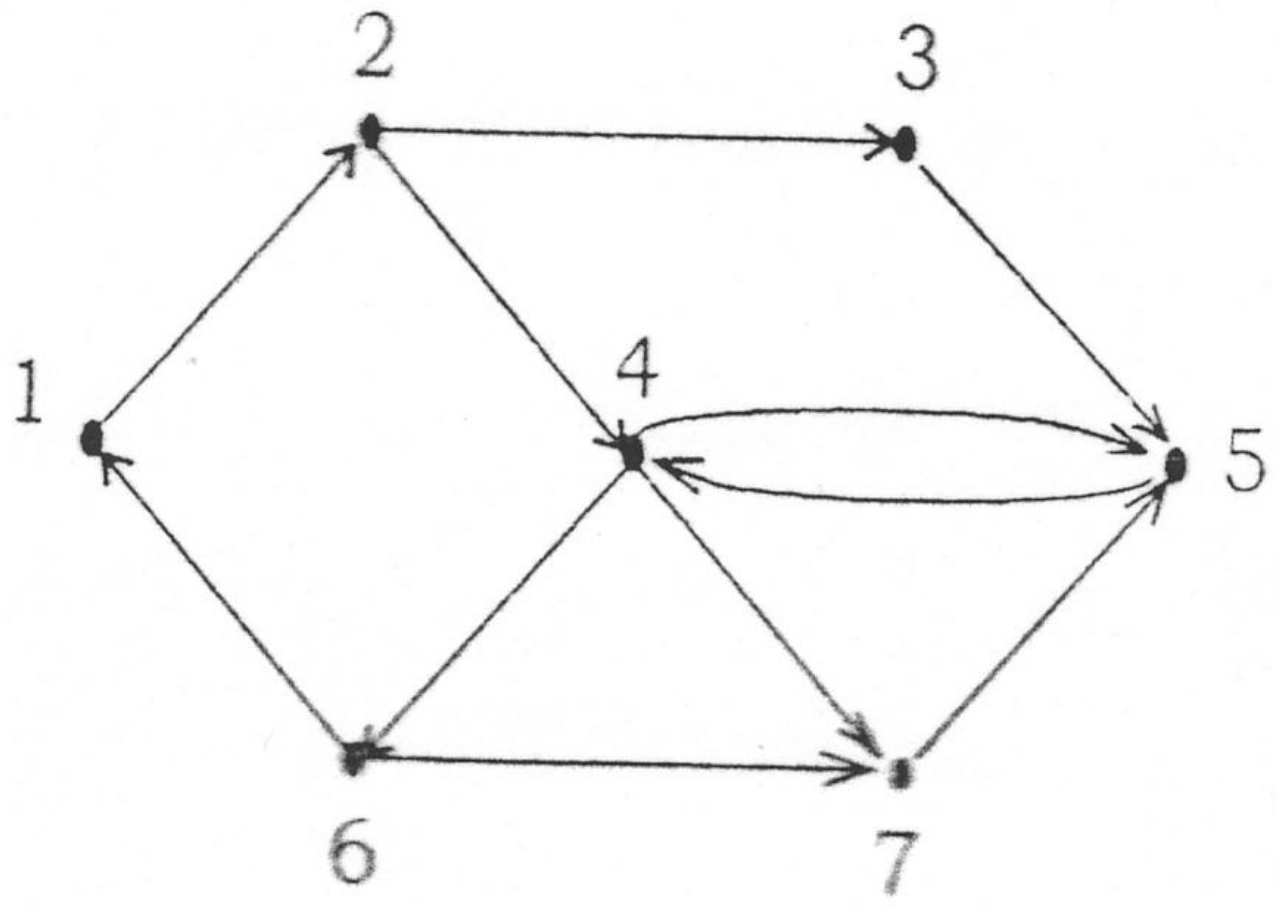
- *Маршруты в графах*
- *Поиск в ширину*

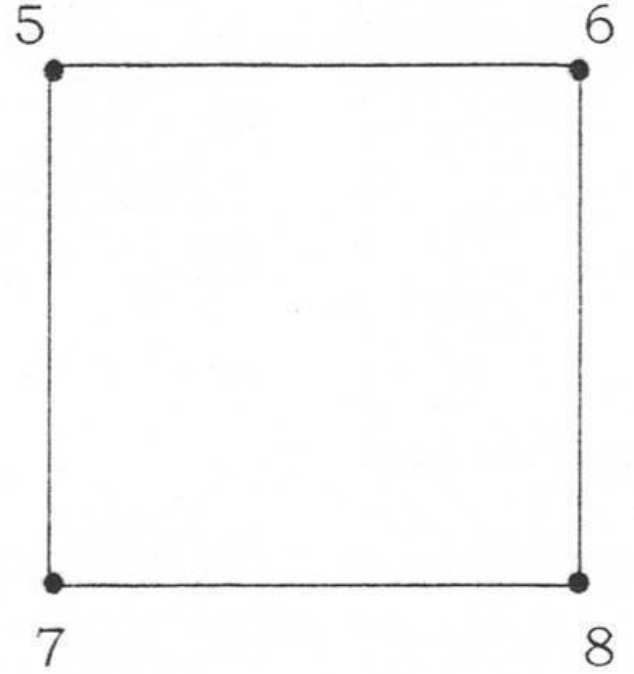
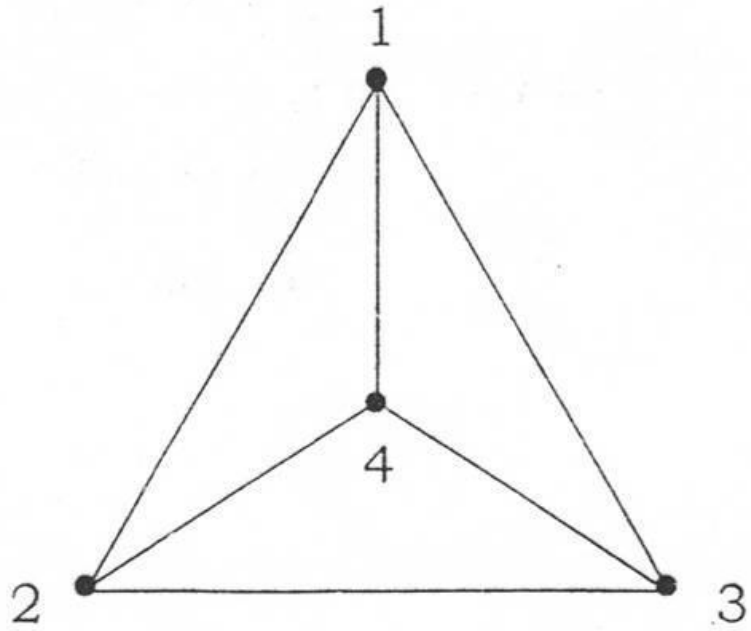
Маршруты в графах

$$L=(1, e_1, 2, e_2, 3, e_8, 6, e_9, 5, e_7, 4, e_4, 2, e_1, 1)$$





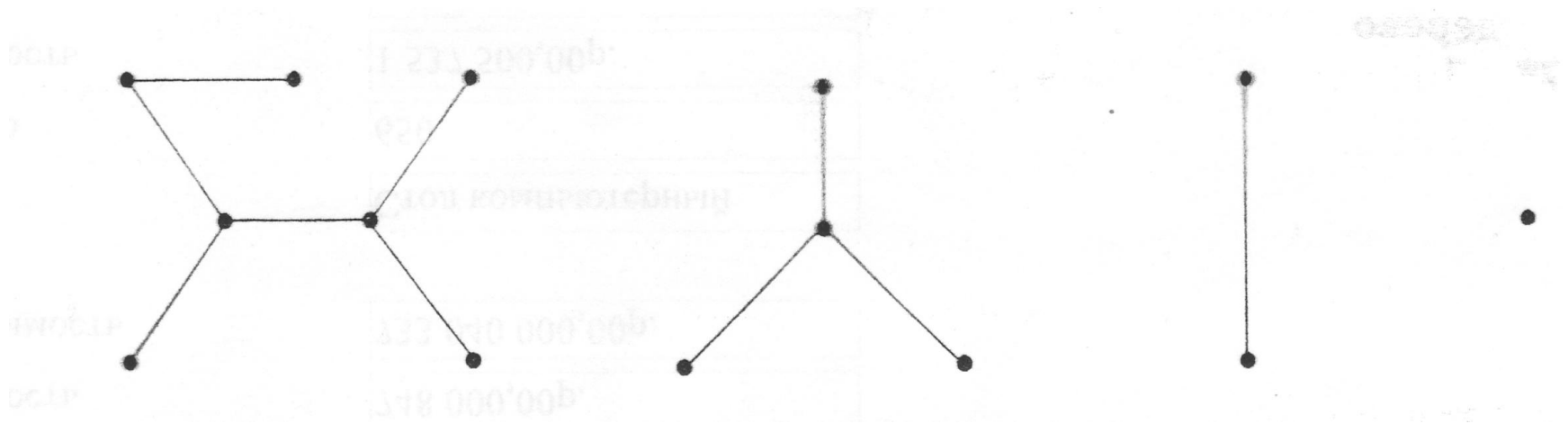


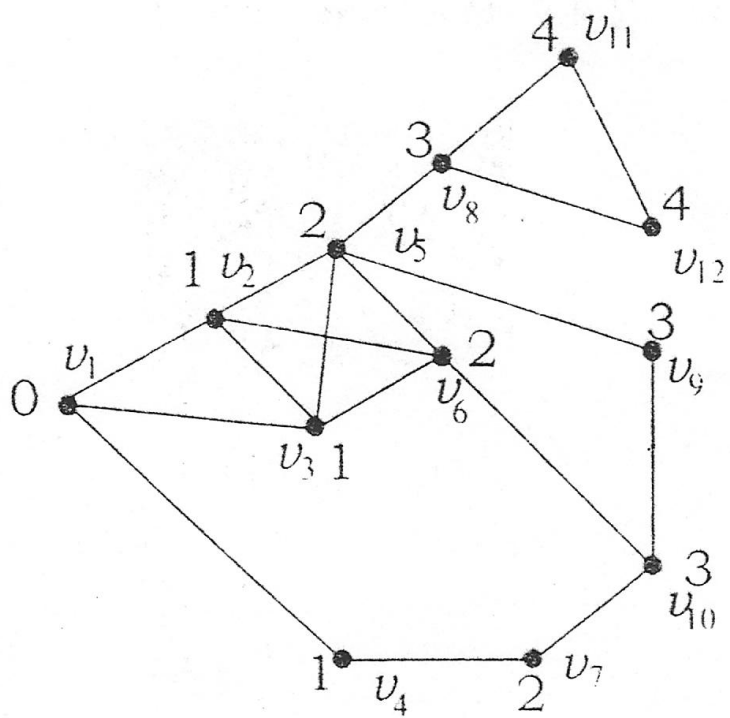


G

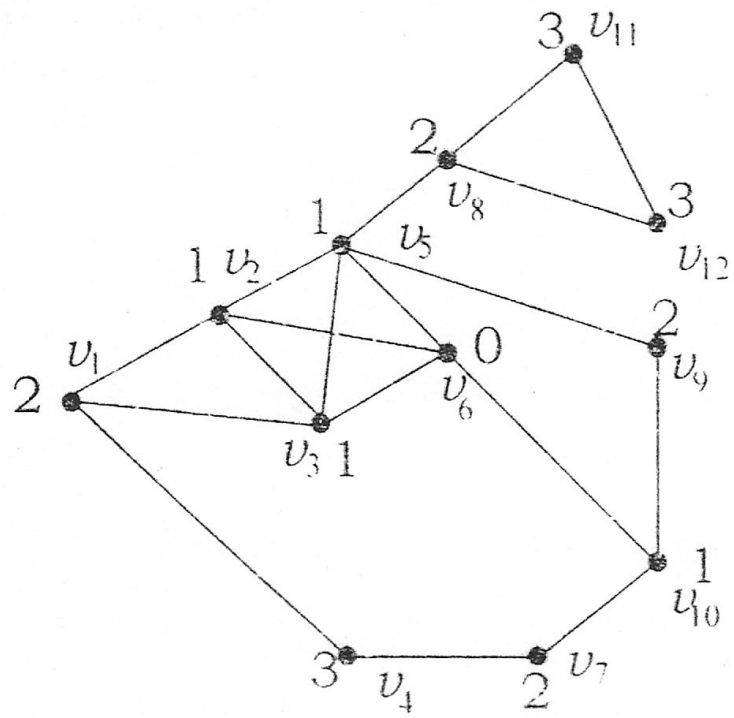
9

Лес





a)



b)

	v_1	v_2	v_3	v_4	v_5	v_6	v_7	v_8	v_9	v_{10}	v_{11}	v_{12}	
0	1	1	1	0	0	0	0	0	0	0	0	0	v_1
1	0	1	0	1	1	0	0	0	0	0	0	0	v_2
1	1	0	0	1	1	0	0	0	0	0	0	0	v_3
1	0	0	0	0	0	1	0	0	0	0	0	0	v_4
0	1	1	0	0	1	0	1	1	1	0	0	0	v_5
0	1	1	0	1	0	0	0	0	0	1	0	0	v_6
0	0	0	1	0	0	0	0	0	0	1	0	0	v_7
0	0	0	0	1	0	0	0	0	0	0	1	1	v_8
0	0	0	0	1	0	0	0	0	1	0	0	0	v_9
0	0	0	0	0	1	1	0	1	0	0	0	0	v_{10}
0	0	0	0	0	0	0	0	1	0	0	0	1	v_{11}
0	0	0	0	0	0	0	0	1	0	0	1	0	v_{12}

v_1	v_2, v_3, v_4 —
v_2	v_1, v_3, v_6, v_5 —
v_3	v_2, v_1, v_6, v_5 —
v_4	v_7, v_1 —
v_5	v_8, v_2, v_6, v_3, v_9 —
v_6	v_5, v_3, v_{10}, v_2 —
v_7	v_{10}, v_4 —
v_8	v_5, v_{11}, v_{12} —
v_9	v_5, v_{10} —
v_{10}	v_6, v_7, v_9 —
v_{11}	v_8, v_{12} —
v_{12}	v_8, v_{11} —

