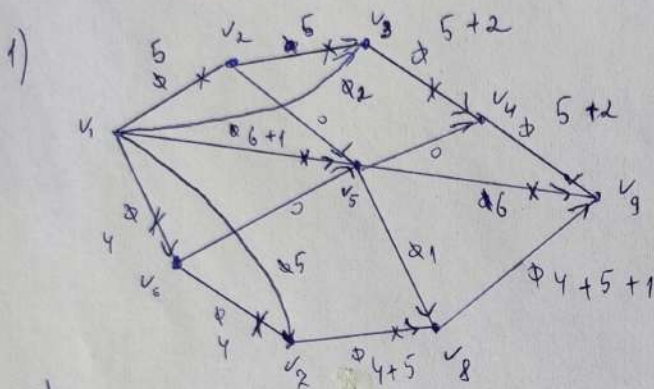
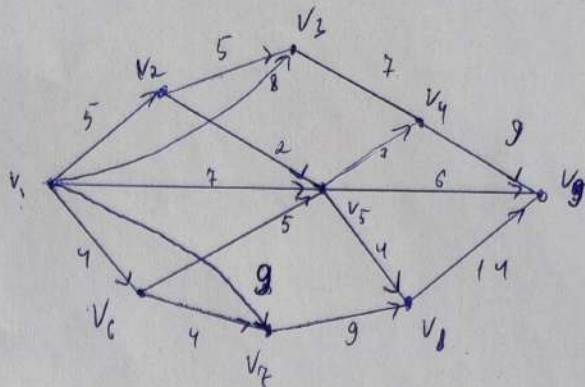
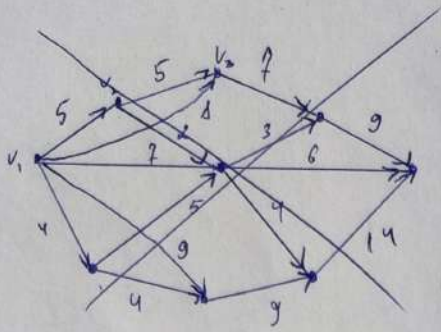


K177



$$1) v_1 - v_2 - v_3 - v_4 - v_9$$

$$\min \{5, 5, 7, 9\} = 5$$

$$2) v_1 - v_6 - v_7 - v_8 - v_9$$

$$\min \{4, 4, 9, 14\} = 4, \varphi_{\max} = 4 + 5 = 9$$

$$3) v_1 - v_5 - v_9$$

$$\min \{7, 6\} = 6, \varphi_{\max} = 4 + 5 + 6 = 15$$

$$4) v_1 - v_3 - v_4 - v_9$$

$$\min \{8, 4-5, 9-5\} = 2, \varphi_{\max} = 17$$

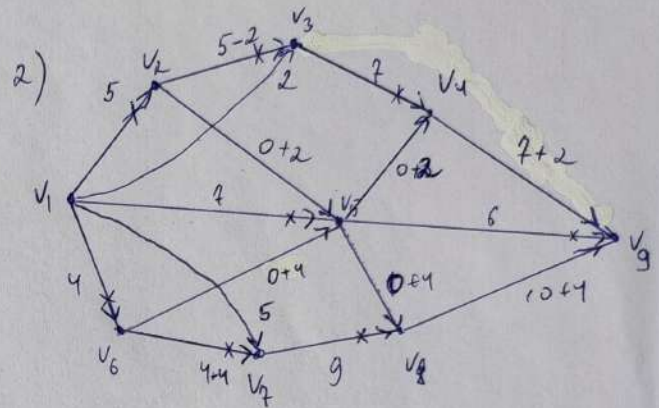
$$5) v_1 - v_7 - v_8 - v_9$$

$$\min \{9, 9-4, 14-4\} = 5, \varphi_{\max} = 22$$

$$6) v_1 - v_5 - v_8 - v_9$$

$$\min \{7-6, 4, 5\} = 1, \varphi_{\max} = 23$$

Величина максимального потока  
 $\varphi_{\max} = 23$



$$1) v_1 - v_3 - v_2 - v_5 - v_4 - v_9$$

$$\Delta_1 = \min \{8-2, 5, 2, 3, 9-7\} = 2$$

$$2) v_1 - v_7 - v_6 - v_5 - v_8 - v_9$$

$$\Delta_2 = \min \{9-5, 4, 5, 4, 14-10\} = 4$$

$$\varphi_{\max} = 23 + 2 + 4 = 29$$