Лаб 2 [4, 5 в, 9]

A_i \ B_i	B_1	B_2	B_3	B_4	B_5	
	10	8	5	9	16	17
A_1						
	4	3	4	11	12	8
A_2						
	5	10	29	7	6	10
A_3						
	9	2	4	1	3	7
A_4						
	0	0	0	0	0	2
A_5						
	6	5	7	8	8	

$X_{44} = \min(8, 7)$

X_{42} (3, 8

X_{12} (7, 17)

X_{31} (6, 13)

X_{35} (8, 4)

X_{12} (7, 0)

Y_{14} (1, 3)

X_{15} (9, 2).

$Y = 8 \cdot 7 + 5 \cdot 7 + 9 \cdot 1 + 16 \cdot 2 + 3 \cdot 8 + 5 \cdot 6 + 4 \cdot 6 + 7 = 217;$

v_i \ u_i	v_1	v_2	v_3	u_4	v_5	
	15	8	5	9	16	
u_1	10	8	5	9	16	
	0	7 (−)	7	1	2 (−)	
u_2	4	3	4	11	12	
	-5	(−) 8 (−)				
u_3	5	10	29	7	6	
	-106 (−)				4 (+)	
u_4	9	2	4	1	3	
	-8			7		
u_5	0	0	0	0	0	
	-16					

$\Delta_{11} = -5 < 0$

$\Delta_{21} = -6 < 0$

$\Delta_{22} = 4$

$\Delta_{24} = 8$

$\Delta_{25} = 1$

$\Delta_{32} = 12$

$\Delta_{33} = 34$

$\Delta_{34} = 8$

$\Delta_{35} = 0.$

$\Delta_{41} = 2;$

$\Delta_{42} = 4;$

$\Delta_{43} = 1.$

$\Delta_{45} = -5 < 0$

$(2,1) \to (3,1) \to (3,5) \to (1,5) \to (1,2) \to (2,2).$

	B_1	B_2	B_3	B_4	B_5	
A_1	6	8	5	9	16	u_1
A_2	10	8	5	9	16	u_2
A_3	6	11	4	5	4	u_3
A_4	3	4	11	12	8	u_4
A_5	5	10	13	7	6	u_5
	0	0	0	0	0	u_6
	v_1	v_2	v_3	v_4	v_5	

$\Delta_{11} = 1$
$\Delta_{12} = 8$
$\Delta_{32} = 6$
$\Delta_{33} = 25$
$\Delta_{34} = 2$
$\Delta_{25} = 6$
$\Delta_{26} = 3$
$\Delta_{24} = 1$

$\forall \Delta: \Delta > 0 \Rightarrow \exists!$ опт. пл.

$\varphi = 8 \cdot 9 + 5 \cdot 7 + 9 \cdot 1 + 4 \cdot 8 + 3 \cdot 6 + 5 \cdot 4 + 6 \cdot 6 + 7 = 205.$

Сев.-зап.:

	B_1	B_2	B_3	B_4	B_5	
A_1	6	11				17/6
A_2		4	4			4/0
A_3			3	7		7/0
A_4				1	7	8/1
A_5					0	0
	6	15	7	8	8	
	0	4/0	8/0	5/0	6/2	

$x_{11} = 6$
$x_{12} = 11$
$x_{22} = 4$
$x_{23} = 4$
$x_{33} = 3$
$x_{34} = 7$
$x_{44} = 1$
$x_{45} = 7 \in$ план

План вырожд.