$$Z = 2x + 2y - 5z \rightarrow min$$

$$Z_1 = -Z = -2x - 2y +5z +0.s_1 + 0.s_2 \rightarrow max$$

$$Z_2 = -Z = -2x - 2y +5z +0.s_1 + 0.s_2 - Ma \rightarrow max$$

$$y - z + s_1 = 12$$

$$-x + y - z + s_2 = 2$$

$$2x - y + 2z + a = 24$$

 $x, y, z, s_1, s_2, a \ge 0$

		-2	-2	5	0	0	-M		_			
БК	БΠ	Х	У	z↓	S ₁	S ₂	а	ОБР	Θχ	Θ _z		
0	S_1	0	1	-1	1	0	0	12	-	-	$\Delta Z_x = -(2-2M) \cdot 12 =$	-24+24M
0	s ₂	-1	1	-1	0	1	0	2	-	-	$\Delta Z_z = -(-5-2M)\cdot 12 =$	60+24M
-M	←a	2	-1	2	0	0	1	24	12	12		
	Δj	2	2	-5	0	0	0	0				
	$\Delta_{j M}$	-2M	М	-2M	0	0	0	-24M	Θ _γ			
0	S ₁	1	0,5	0	1	0		24	48		_	
0	←s ₂	0	0,5	0	0	1		14	28		$\Delta Z_{y} = -(-0.5) \cdot 28 =$	14
5	Z	1	-0,5	1	0	0		12	-			
	Δ_{j}	7	-0,5	0	0	0		60		•		
0	S ₁	1	0	0	1	-1		10				
-2	У	0	1	0	0	2		28				
5	Z	1	0	1	0	1		26				
	$\Delta_{\rm j}$	7	0	0	0	1		74				

$$X_2^* = (0; 28; 26; 10; 0; 0)$$
 $Z_2^* = 74$

$$Z_2^* = 74$$

$$X^* = (0; 28; 26)$$
 $Z^* = -Z_1^* = -Z_2^* = -74$