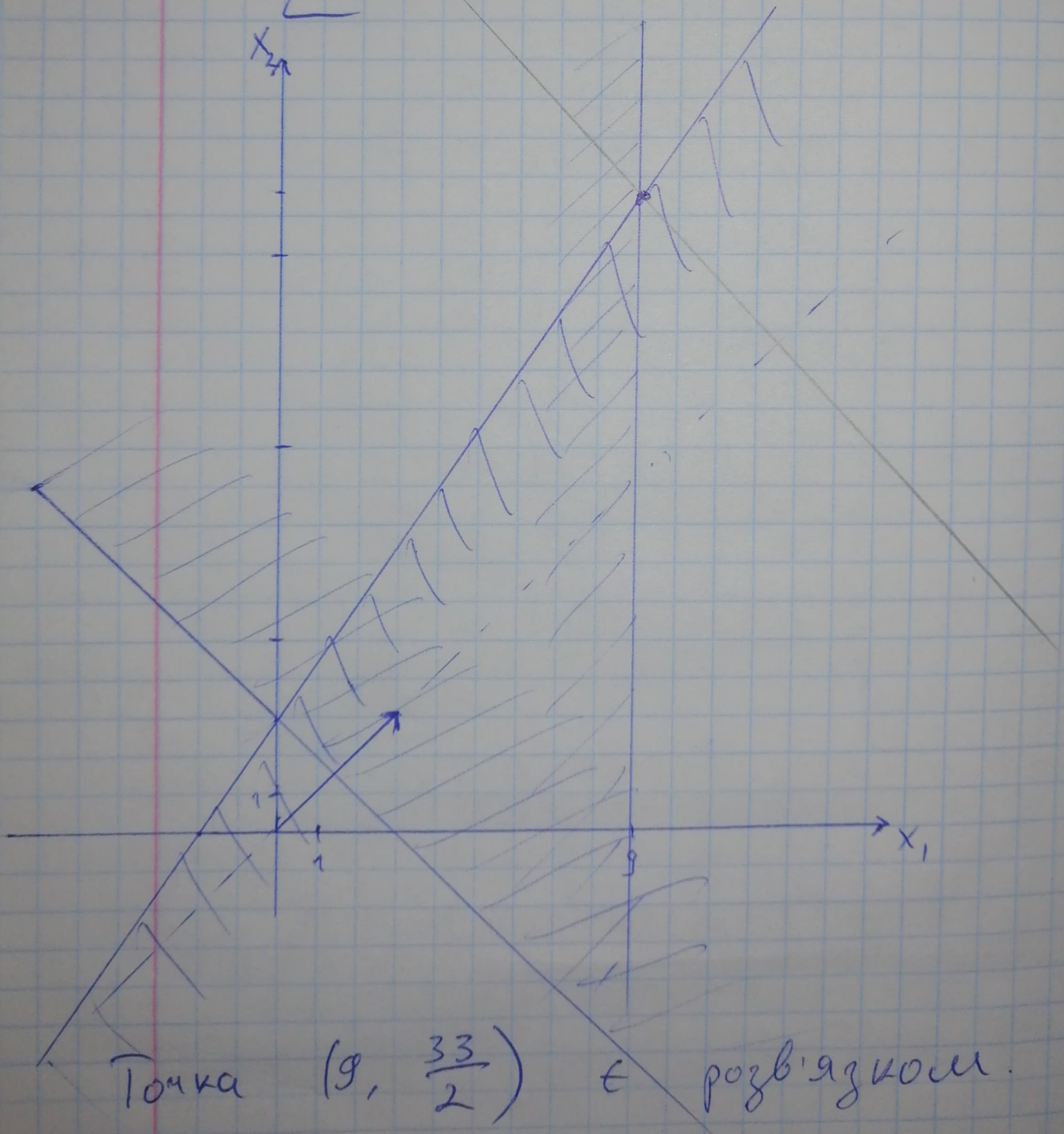


$$\text{А7. } L(\bar{x}) = 2x_1 + 2x_2 \rightarrow \max$$

$$\begin{cases} 3x_1 - 2x_2 \geq -6 \\ x_1 + x_2 \geq 3 \\ 0 \leq x_1 \leq 9 \\ x_2 \geq 0 \end{cases}$$



$$L - \max = 51$$

57

$$L(\bar{x}) = 2x_1 + 2x_2 - M(y_1 + y_2 + y_3) \rightarrow \max$$

$$\begin{cases} 3x_1 - 2x_2 - x_3 + y_1 = -6 \\ x_1 + x_2 - x_4 + y_2 = 3 \\ x_1 + x_5 + y_3 = 9 \end{cases}$$

		x_6	x_7	x_8							
CS	x_6	x_1	x_2	x_3	x_4	x_5	y_1	y_2	y_3	β	θ
0	x_3	-8	2	1	0	0	-1	0	0	6	
-M	y_2	1	1	0	-1	0	0	1	0	3	
0	x_5	1	0	0	0	1	0	0	1	9	
	Δ	-2	-2	0	0	0	M	M	M	0	
0	x_3	-3	2	1	0	0	-1	0	0	6	-
-M	y_2	1	1	0	-1	0	0	1	0	3	3
0	x_5	1	0	0	0	1	0	0	1	9	9
	Δ	-M	-M	0	M	0	M	0	M	-3M	
0	x_3	0	5	1	-3	0	-1	3	0	15	+
2	x_1	1	1	0	-1	0	0	1	0	3	+
0	x_5	0	-1	0	1	1	0	-1	1	6	6
	Δ	0	0	0	-2	0	M	M	M	6	
0	x_3	0	2	1	0	3	-1	0	3	33	$\frac{33}{2}$
2	x_1	1	0	0	0	1	0	0	1	9	∞
0	x_4	0	-1	0	1	1	0	-1	1	6	-
	Δ	0	-2	0	0	2	M	M	M	18	
2	x_2	0	1	0.5	0	1.5	-0.5	0	1.5	$\frac{33}{2}$	
2	x_1	1	0	0	0	1	0	0	1	9	
0	x_4	0	0	0.5	1	2.5	-0.5	-1	2.5	$\frac{45}{2}$	
	Δ	0	0	1	0	5	M	M	M	51	

$$X \left(9 \quad \frac{33}{2} \quad 0 \quad \frac{45}{2} \quad 0 \quad 0 \quad 0 \quad 0 \right) - \text{pozitiv}$$

C7

Врошати

Д
и
а
н
к
а

	1	2	...	m
1	d_{11}/v_{11}	d_{12}/v_{12}
2	d_{21}/v_{21}	d_{22}/v_{22}
...
n	d_{nm}/v_{nm}

X_j — k -ое посаженое вращаю типа j

$$L(\bar{x}) = \sum_{j=1}^m \left(\sum_{i=1}^n (v_{ij} - d_{ij}) - x_j c_j \right) \rightarrow \max$$