Найти решение ЗЛП при помощи решения двойственной задачи

$$Z(X) = 2x_1 - 8x_2 + 2x_3 + 1 \cdot x_4 \rightarrow max$$

$$\begin{vmatrix}
-2x_1 + x_2 + 4x_3 + 1 \cdot x_4 = 8 & y_1 \\
-2x_2 + 2x_3 + 1 \cdot x_4 = 6 & y_2 \\
x_1, x_2, x_3, x_3 \ge 0
\end{vmatrix}$$

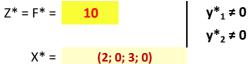
$$F(Y) = 8 \cdot y_1 + 6y_2 \rightarrow min$$

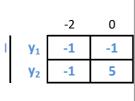
	-1 3			
- 1	-2y <sub>1</sub> ≥	2	=	
Ш	y <sub>1</sub> - 2y <sub>2</sub> ≥	-8	>	$x^*_2 = 0$
Ш	$4y_1 + 2y_2 \ge$	2	=	
IV	$1 \cdot y_1 + 1 \cdot y_2 \ge$	1	>	x* <sub>4</sub> = 0

$$Y^*: -2y_1 = 2$$
  
 $4y_1 + 2y_2 = 2$ 

<b>y*</b> <sub>1</sub>	-1
y* <sub>2</sub>	3

$$F^* = 8 \cdot (-1) + 6 \cdot 3 = 10$$





	1	-2
<b>y</b> <sub>1</sub>	0	-8
<b>y</b> <sub>2</sub>	4	0



