

$$f(x_1, x_2, x_3, x_4) = x_1 \Delta x_2 \Delta x_3 \Delta x_4 = V^4(0, 2, 4, 5, 8, 10, 12, 13)$$

Protiprimet \downarrow

$x_1 x_2 x_3 x_4$	$f(x_1, x_2, x_3, x_4)$	m
0000	1	m_0
0001	0	m_1
0010	1	m_2
0011	0	m_3
0100	1	m_4
0101	1	m_5
0110	0	m_6
0111	0	m_7
1000	1	m_8
1001	0	m_9
1010	1	m_{10}
1011	0	m_{11}
1100	1	m_{12}
1101	1	m_{13}
1110	0	m_{14}
1111	0	m_{15}

$$T_0: f(0,0,0,0) = 1 \quad f \notin T_0$$

$$T_1: f(1,1,1,1) = 0 \quad f \notin T_1$$

$$S: \overline{f(\bar{x}_1, \bar{x}_2, \bar{x}_3, \bar{x}_4)} = f(x_1, x_2, x_3, x_4)$$

$$\overline{f(0,0,0,1)} = f(1,1,1,0)$$

$$1 = 0 //$$

$$f \notin S$$

$$M: \bar{w}_i < \bar{w}_j \quad f(\bar{w}_i) < f(\bar{w}_j)$$

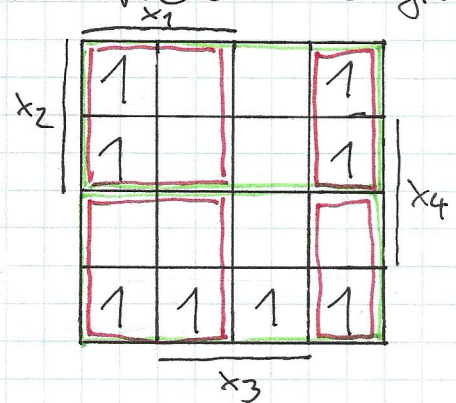
$$f(\bar{w}_0) < f(\bar{w}_1)$$

$$f(0,0,0,0) < f(0,0,0,1) //$$

$$(0,0,0,0) \neq (0,0,0,1) \quad 1 < 0 //$$

	T_0	T_1	S	M	L
	\notin	\notin	\notin	\notin	\notin

$L \approx$ Vietchev diagram:



$\bar{x}_1 \bar{x}_2 \bar{x}_3 : \bar{x}_1 \bar{x}_2 \bar{x}_3 //$
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 ~~$\bar{x}_1 \bar{x}_2 \bar{x}_4$~~ : $\bar{x}_1 \bar{x}_2 : \bar{x}_1 \bar{x}_2 //$
 $\bar{x}_2 : \bar{x}_2 //$

$$f \notin L$$

$$L: f(0,0,0,0) = a_0 \nabla 0 \nabla 0 \nabla 0 \nabla 0 = a_0$$

$$f(0,0,0,1) = 1 \nabla 0 \nabla 0 \nabla 0 \nabla a_4 = 1 \nabla a_4$$

$$f(0,0,1,0) = 1 \nabla 0 \nabla 0 \nabla a_3 \nabla 0 = 1 \nabla a_3$$

$$f(0,1,0,0) = 1 \nabla 0 \nabla a_2 \nabla 0 \nabla 0 = 1 \nabla a_2$$

$$f(1,0,0,0) = 1 \nabla a_1 \nabla 0 \nabla 0 \nabla 0 = 1 \nabla a_1$$

$$a_0 = 1$$

$$a_1 = 1 \nabla a_1 = \bar{a}_1 = \bar{1} = 0$$

$$a_2 = 1 \nabla a_2 = \bar{a}_2 = \bar{1} = 0$$

$$a_3 = 1 \nabla a_3 = \bar{a}_3 = \bar{1} = 0$$

$$a_4 = 1 \nabla a_4 = \bar{a}_4 = \bar{0} = 1$$

$$f(x_1, x_2, x_3, x_4)_L =$$

$$= a_0 \nabla a_1 x_1 \nabla a_2 x_2 \nabla a_3 x_3 \nabla a_4 x_4 =$$

$$= 1 \nabla 0 x_1 \nabla 0 x_2 \nabla 0 x_3 \nabla 1 x_4 =$$

$$= 1 \nabla x_4 = \bar{x}_4$$

$$f \notin L$$

Protiprimet:

$$f(0,1,0,1) \neq \bar{x}_4$$

$$f(0,1,0,1) \neq 0$$

1 \neq 0