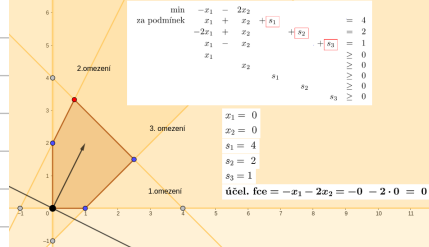
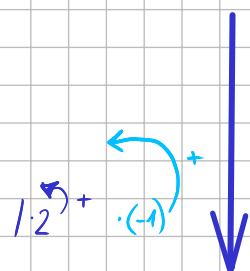


		c^T		
c_B	x_B	$B^{-1}b$	$B^{-1}A$	
		$c_B^T B^{-1}b$	$c_B^T B^{-1}A - c^T$	



bazické proměnné: x_1, x_2
 nebazické proměnné: s_1, s_2, s_3
 $s_1 = 4 - x_1 - x_2$
 $s_2 = 2 + 2x_1 - x_2$
 $s_3 = 1 - x_1 + x_2$
 $z = 0 - x_1 - 2x_2$

			-1	-2	0	0	0
			x_1	x_2	s_1	s_2	s_3
0	s_1	4	1	1	1	0	0
0	s_2	2	-2	1	0	1	0
0	s_3	1	1	-1	0	0	1
			0	1	2	0	0

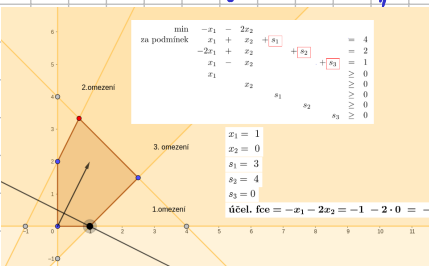


do báze x_1 (nebo x_2 .. můžeme si vybrat.. dojde zlepšení účelovou funkci)

z báze: s_3 (první se „nynuluje“ při růstu x_1)

$$x_1 = 1 - s_3 + x_2$$

0	s_1	3	0	2	1	0	-1
0	s_2	4	0	-1	0	1	2
-1	x_1	1	1	-1	0	0	1
			-1	0	3	0	-1



$$s_1 = 4 - (1 - s_3 + x_2) - x_2$$

$$s_1 = 3 + s_3 - 2x_2$$

$$s_2 = 2 + 2(1 - s_3 + x_2) - x_2$$

$$s_2 = 4 - 2s_3 + x_2$$

$$x_1 = 1 - s_3 + x_2$$

$$z = 0 - (1 - s_3 + x_2) - 2x_2 = -1 + s_3 - 3x_2$$

in x_2

out: s_1

$$2x_2 = 3 + s_3 - s_1$$

$$x_2 = \frac{3}{2} + \frac{s_3}{2} - \frac{s_1}{2}$$

$$x_2 = \frac{3}{2} + \frac{s_3}{2} - \frac{s_1}{2}$$

$$s_2 = 4 - 2s_3 + \left(\frac{3}{2} + \frac{s_3}{2} - \frac{s_1}{2}\right)$$

$$s_2 = \frac{11}{2} - \frac{3}{2}s_3 - \frac{s_1}{2}$$

$$x_1 = 1 - s_3 + \left(\frac{3}{2} + \frac{s_3}{2} - \frac{s_1}{2}\right)$$

$$x_1 = \frac{5}{2} - \frac{s_3}{2} - \frac{s_1}{2}$$

$$z = -1 + s_3 - 3\left(\frac{3}{2} + \frac{s_3}{2} - \frac{s_1}{2}\right)$$

$$z = -\frac{11}{2} - \frac{s_3}{2} + \frac{3s_1}{2}$$

$$3s_3 = 11 - s_1 - 2s_2$$

$$s_3 = \frac{11}{3} - \frac{s_1}{3} - \frac{2s_2}{3}$$

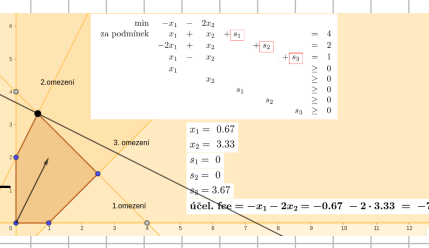
$$x_2 = \frac{3}{2} + \frac{1}{2}\left(\frac{11}{3} - \frac{s_1}{3} - \frac{2s_2}{3}\right) - \frac{s_1}{2}$$

$$x_2 = \frac{10}{3} - \frac{2}{3}s_1 - \frac{s_2}{3}$$

$$x_1 = \frac{5}{2} - \frac{1}{2}\left(\frac{11}{3} - \frac{s_1}{3} - \frac{2s_2}{3}\right) - \frac{s_1}{2}$$

$$x_1 = \frac{2}{3} - \frac{1}{3}s_1 + \frac{1}{3}s_2$$

-2	x_2	$\frac{10}{3}$	0	1	$\frac{2}{3}$	$\frac{1}{3}$	0
0	s_3	$\frac{11}{3}$	0	0	$\frac{1}{3}$	$\frac{2}{3}$	1
-1	x_1	$\frac{2}{3}$	1	0	$\frac{1}{3}$	$-\frac{1}{3}$	0
			-	$\frac{22}{3}$	0	0	$-\frac{5}{3}$



$$z = -\frac{11}{2} - \frac{1}{2}\left(\frac{11}{3} - \frac{s_1}{3} - \frac{2}{3}s_2\right) + \frac{3}{2}s_1$$

$$z = -\frac{22}{3} + \frac{5}{3}s_1 + \frac{1}{3}s_2$$