Problema 9.3.4.4

Utilizând metoda Quine simplificată următoarea fd. booleană de trei variabile

$$f(x_1, x_2, x_3) = x_1(x_2 \vee x_3) \vee (x_1 \downarrow \overline{x_3})$$

x_1	x_2	x_3	$x_2 \vee x_3$	$x_1(x_2 \vee x_3)$	$x_1 \downarrow \overline{x_3}$	$f(x_1, x_2, x_3)$
0	0	0	0	0	0	0
0	0	1	1	0	1	1
0	1	0	1	0	0	0
0	1	1	1	0	1	1
1	0	0	0	0	0	0
1	0	1	1	1	0	1
1	1	0	1	1	0	1
1	1	1	1	1	0	1

$$S_f = \{(0,0,1), (0,1,1), (1,0,1), (1,1,0), (1,1,1)\}$$

Grupa	x_1	x_2	x_3
I	1	1	1
II	1	1	0
	1	0	1
	0	1	1