

Булевите функции в СЪВДНФ:

x_1	x_2	y_1	y_2	z_1	z_2	z_3
0	0	0	0	0	0	0
0	0	0	1	0	0	1
0	0	1	0	0	1	0
0	0	1	1	0	1	1
0	1	0	0	0	0	1
0	1	0	1	0	1	0
0	1	1	0	0	1	1
0	1	1	1	1	0	0
1	0	0	0	0	1	0
1	0	0	1	0	1	1
1	0	1	0	1	0	0
1	0	1	1	1	0	1
1	1	0	0	0	1	1
1	1	0	1	1	0	0
1	1	1	0	1	0	1
1	1	1	1	1	1	0

$$z_1 = \bar{x}_1 \bar{x}_2 y_1 y_2 \vee x_1 \bar{x}_2 y_1 \bar{y}_2 \vee x_1 \bar{x}_2 y_1 y_2 \vee x_1 x_2 \bar{y}_1 y_2 \vee x_1 x_2 y_1 \bar{y}_2 \vee x_1 x_2 y_1 y_2$$

$$z_2 = \bar{x}_1 \bar{x}_2 y_1 \bar{y}_2 \vee \bar{x}_1 \bar{x}_2 y_1 y_2 \vee \bar{x}_1 x_2 \bar{y}_1 y_2 \vee \bar{x}_1 x_2 y_1 \bar{y}_2 \vee x_1 \bar{x}_2 \bar{y}_1 \bar{y}_2 \vee x_1 \bar{x}_2 \bar{y}_1 y_2 \vee x_1 x_2 \bar{y}_1 \bar{y}_2 \vee x_1 x_2 y_1 y_2$$

$$z_3 = \bar{x}_1 \bar{x}_2 \bar{y}_1 y_2 \vee \bar{x}_1 \bar{x}_2 y_1 y_2 \vee \bar{x}_1 x_2 \bar{y}_1 \bar{y}_2 \vee \bar{x}_1 x_2 y_1 \bar{y}_2 \vee x_1 \bar{x}_2 \bar{y}_1 y_2 \vee x_1 \bar{x}_2 y_1 y_2 \vee x_1 x_2 \bar{y}_1 \bar{y}_2 \vee x_1 x_2 y_1 \bar{y}_2$$

Двоичният суматор:

