ODV DNO2

$$f(x_1, x_2, x_3, x_4) = (\overline{x}_1 \downarrow \overline{x}_2) \rightarrow (\overline{x}_3 \uparrow \overline{x}_4)$$

$$= (\overline{\overline{x}_1} \vee \overline{\overline{x}_2}) \vee (\overline{\overline{x}_3 \wedge \overline{x}_4}) = (\overline{x}_1 \vee \overline{x}_2) \vee (x_3 \vee x_4)$$

$$= \overline{x}_1 \vee \overline{x}_2 \vee x_3 \vee x_4$$

1) PDNO:

$$f(x_1, x_2, x_3, x_4) = \vee^4(0,1,2,3,4,5,6,7,8,9,10,11,13,14,15)$$

$$= \overline{x}_1\overline{x}_2\overline{x}_3\overline{x}_4 \vee \overline{x}_1\overline{x}_2\overline{x}_3x_4 \vee \overline{x}_1\overline{x}_2x_3\overline{x}_4 \vee \overline{x}_1\overline{x}_2x_3x_4 \vee \overline{x}_1x_2\overline{x}_3\overline{x}_4$$

$$\vee \overline{x}_1x_2\overline{x}_3x_4 \vee \overline{x}_1x_2x_3\overline{x}_4 \vee \overline{x}_1x_2x_3x_4 \vee x_1\overline{x}_2\overline{x}_3\overline{x}_4 \vee x_1\overline{x}_2\overline{x}_3x_4$$

$$\vee x_1\overline{x}_2x_3\overline{x}_4 \vee x_1\overline{x}_2x_3x_4 \vee x_1x_2\overline{x}_3x_4 \vee x_1x_2x_3\overline{x}_4 \vee x_1x_2x_3x_4$$

2) PKNO:

$$f(x_1, x_2, x_3, x_4) = \&^4(3) = \overline{x}_1 \vee \overline{x}_2 \vee x_3 \vee x_4$$

POMEN LEMUT
63210185