



DN_05

$$f(x_1, x_2, x_3, x_4, x_5) = V^5(2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29)$$

Handwritten solution for a 3x3x3 Rubik's cube algorithm, organized into three columns labeled 2, 3, and 4.

Column 2:

- (1,3) $\overline{X}_2 X_4$
- (6,7)
- (1,4) $\overline{X}_3 X_4$
- (2,5) $X_3 \overline{X}_4$
- (2,7)
- (8,9)
- (10,11)
- (6,7) X_4
- (12,13) $\overline{X}_2 X_3$

Column 3:

- (1,2) $\overline{X}_2 \overline{X}_3 X_4$
- (3,4) $\overline{X}_2 \overline{X}_3 X_4$
- (5,6) $\overline{X}_2 \overline{X}_3 X_4$
- (7,8) $\overline{X}_2 \overline{X}_3 X_4$
- (1,5) $\overline{X}_2 \overline{X}_3 X_4$
- (2,6) $\overline{X}_2 \overline{X}_3 X_4$
- (1,10) $\overline{X}_2 \overline{X}_3 X_4$
- (1,9) $\overline{X}_2 \overline{X}_3 X_4$
- (2,8) $\overline{X}_2 \overline{X}_3 X_4$
- (3,9) $\overline{X}_2 \overline{X}_3 X_4$
- (4,10) $\overline{X}_2 \overline{X}_3 X_4$
- (3,5) $\overline{X}_2 \overline{X}_3 X_4$
- (4,6) $\overline{X}_2 \overline{X}_3 X_4$

Column 4:

- (1,2) $\overline{X}_2 \overline{X}_3 X_4$
- (3,4) $\overline{X}_2 \overline{X}_3 X_4$
- (5,6) $\overline{X}_2 \overline{X}_3 X_4$
- (7,8) $\overline{X}_2 \overline{X}_3 X_4$
- (1,5) $\overline{X}_2 \overline{X}_3 X_4$
- (2,6) $\overline{X}_2 \overline{X}_3 X_4$
- (1,10) $\overline{X}_2 \overline{X}_3 X_4$
- (1,9) $\overline{X}_2 \overline{X}_3 X_4$
- (2,8) $\overline{X}_2 \overline{X}_3 X_4$
- (3,9) $\overline{X}_2 \overline{X}_3 X_4$
- (4,10) $\overline{X}_2 \overline{X}_3 X_4$
- (3,5) $\overline{X}_2 \overline{X}_3 X_4$
- (4,6) $\overline{X}_2 \overline{X}_3 X_4$

[illegible]

$$f(x_1, x_2, x_3, x_4, x_5) = x_2 \bar{x}_3 x_4 \vee \bar{x}_2 x_4 \vee x_5 \bar{x}_4$$

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~~Handwritten scribbles~~

