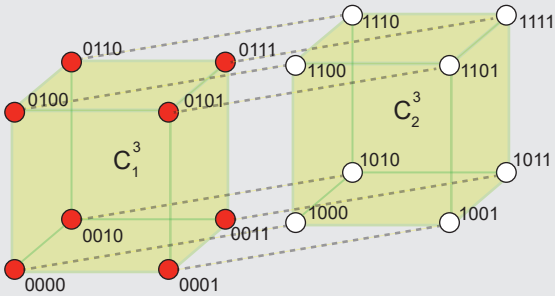
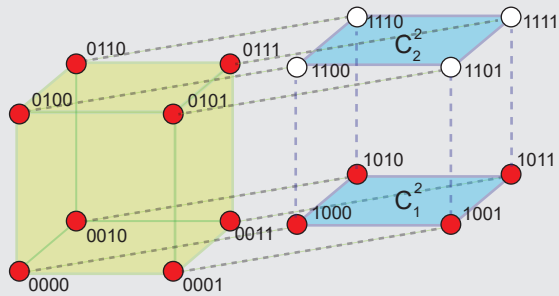
k = 4, P = 13 (decimal) = 1101 (binary)

(a) NCF: $\overline{x}_4 \vee (\dots)$ **1 1 0 1**



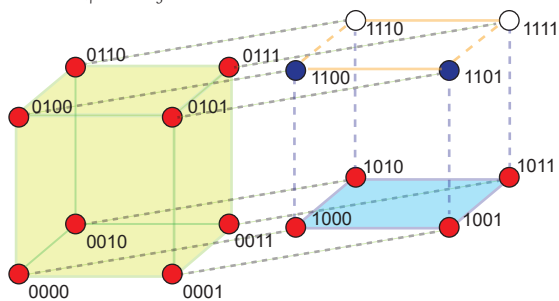
GS: Since $2^3 < 13 \leq 2^4$, color in red the 2^3 vertices of C_1^3.
13 - 2^3 (=5) vertices remain.

(b) NCF: $\overline{x}_4 \vee (\overline{x}_3 \vee (\dots))$ **1 1 0 1**

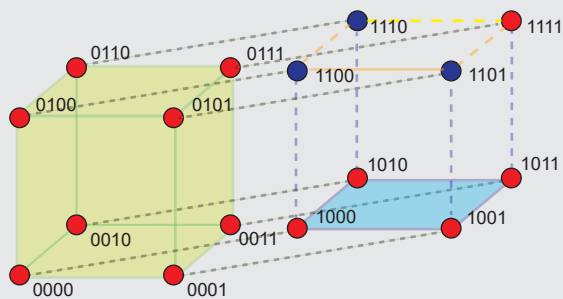


GS: Since $2^2 < 5 \leq 2^3$, color in red the 2^2 vertices of C_1^2.
5 - 2^1 (=1) vertex remains.

(c) NCF: $\overline{x}_4 \vee (\overline{x}_3 \vee (x_2 \wedge (\dots)))$ **1 1 0 1**



(d) NCF: $\overline{x}_4 \vee (\overline{x}_3 \vee (x_2 \wedge (x_1))))$ **1 1 0 1**



GS: Color in red a vertex of C_2^2 (in this case vertex 1111)

NCF: Nested Canalyzing Function GS: Good set ●: 1/GS vertex ●: 0/GS vertex ○: Undefined/GS vertex →: NCF sequence →: GS sequence