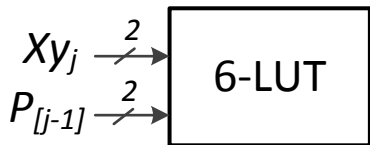


$$\begin{array}{c} 1\ 1\ 0\ \bar{1} \\ \hline \end{array} \times \begin{array}{c} \boxed{1}\ 0\ \bar{1}\ 1 \\ \hline \end{array}$$

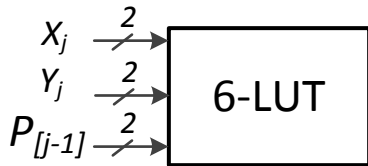
xy_j $\boxed{1}\ 1\ 0\ \bar{1}$



*Original
implementation*

$$\begin{array}{c} \boxed{1}\ 1\ 0\ \bar{1} \\ \hline \end{array} \times \begin{array}{c} \boxed{1}\ 0\ \bar{1}\ 1 \\ \hline \end{array}$$

x_j y_j



*Optimized
implementation*