$$\begin{array}{c|c}
 & b1?br & r_3 = \\
\hline
r_1 = g + 1 & r_2 = x \\
\hline
r_1 = g + 1 & r_3 = \\
\hline
r_2 = x & r_4 = b1?r_1 : r_2 \\
\hline
r = \phi(r_1, r_2, r_3) & r = \phi(r_4, r_3)
\end{array}$$