

CW 0

$$\text{IO8} = \text{IO11} = \textcolor{blue}{in0}\textcolor{blue}{in1} + \textcolor{red}{in1}\overline{\textcolor{red}{in2}}$$

$$\text{IO9} = \text{IO10} = \overline{\textcolor{red}{in0}} + \overline{\textcolor{green}{in1}}\overline{\textcolor{green}{in2}} + \textcolor{blue}{in1}\textcolor{blue}{in2}$$

$$\text{IO12} = \text{IO15} = \overline{\textcolor{red}{in0}}\overline{\textcolor{red}{in1}}$$

$$\text{IO13} = \text{IO14} = \textcolor{red}{in0} + \overline{\textcolor{blue}{in1}}\textcolor{blue}{in2}$$