

$$b3 = (c2)'(c4)'(c7)'$$

$$b2 = (c0)'(c3)'(c5)'$$

$$b1 = (a1)'$$

$$b0 = (a0)(a2)'(c1)'(c6)'$$

| | | |
|-----|-----|----|
| a1 | a0' | c0 |
| a1 | a3' | c1 |
| a2 | a3' | c2 |
| a2' | a3' | c3 |
| a1 | a0 | c4 |
| a1' | a0 | c5 |
| a1' | a3 | c6 |
| a2' | a3 | c7 |

$$\begin{aligned}
b_3 &= (a_3 + a_2' + a_1' + a_0') (a_3' + a_2 + a_1' + a_0') \\
&= (a_3 + a_2' + (a_1' + a_0')) (a_3' + a_2 + (a_1' + a_0')) \\
&= (a_1' + a_0') (a_3 + a_2') (a_3' + a_2) \\
&= (a_1 a_0)' (a_3' a_2)' (a_3 a_2')'
\end{aligned}$$

$$\begin{aligned}
b_2 &= (a_3 + a_2 + a_1 + a_0') (a_3 + a_2 + a_1' + a_0) \\
&= ((a_3 + a_2) + a_1 + a_0') ((a_3 + a_2) + a_1' + a_0) \\
&= (a_3 + a_2) (a_1 + a_0') (a_1' + a_0) \\
&= (a_3' a_2')' (a_1' a_0)' (a_1 a_0')'
\end{aligned}$$

$$b_1 = (a_1')$$

$$\begin{aligned}
b_0 &= (a_0) (a_3 + a_1') (a_2') (a_3' + a_1) \\
&= (a_0) (a_3' a_1)' (a_2') (a_3 a_1')'
\end{aligned}$$