dividend :- $f_{R_1} = e_0e_2 + ac + a + bc + b + c$

$h_4 :- e_0e_2 + e_2 + 1$

$f_3 :- e_2 + c + 1$

$f_2 :- e_1 + bc + b + c$

$f_1 :- e_0 + a + b$

order of division :-

$h_4 \rightarrow f_3 \rightarrow f_2 \rightarrow f_1$

variable order = $\{ e_2, e_1, e_0, a, b, c \}$

$f_{R_1} \xrightarrow{h_4} [1](e_0e_2 + e_2 + 1) + \{e_2 + ac + a + bc + b + c\} \Rightarrow$

$f_{R_2} \xrightarrow{f_3} [1](e_2 + c + 1) + \{ac + a + bc + b\} \Rightarrow f_{R_2}$

f_{R_2} is in terms of primary inputs only and we don't have any divisors with primary inputs as leading terms.

$f_R = [1](e_0e_2 + e_2 + 1) + [1](e_2 + c + 1) + \{ac + a + bc + b\}$