Solution (\#690) Column-reducing we obtain

$$
\begin{aligned}
&\left(\frac{A}{B}\right)=\left(\begin{array}{ll}
1 & 3 \\
2 & 6 \\
1 & 7 \\
2 & 3
\end{array}\right) \\
&\left(\frac{C}{D}\right)=\left(\begin{array}{lll}
1 & 2 & 3 \\
2 & 3 & 4 \\
3 & 4 & 5 \\
\hline 1 & 0 & 2 \\
1 & 2 & 3 \\
1 & 6 & 2
\end{array}\right) \longrightarrow\left(\begin{array}{rrr}
3 / 11 & 4 / 11 \\
0 & 8 / 11 \\
0 & 1
\end{array}\right) .
\end{aligned}
$$

And recall the effect of each ECO is the same as postmultiplying by some elementary matrix.

