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$\frac{P(x)}{D(x)}+\frac{Q(x)}{E(x)}=\frac{P(x)}{a\left(x-k_{1}\right)\left(x-k_{2}\right)}+\frac{Q(x)}{b\left(x-k_{1}\right)\left(x-k_{3}\right)}$

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Factored Form is often useful, so we often leave the denominator as is

