$$
\begin{array}{r|l}
 & x+\ 2 \\
\hline
x^3+3x^2+7x+5 & x^4+5x^3+16x^2+26x+22 \\
 & \underline{x^4+3x^3+\ 7x^2+\ 5x} \quad \longleftarrow\ x(x^3+3x^2+7x+5) \\
 & \quad 2x^3+\ 9x^2+21x+22 \\
 & \quad \underline{2x^3+\ 6x^2+14x+10} \quad \longleftarrow\ 2(x^3+3x^2+7x+5) \\
 & \qquad\quad 3x^2+\ 7x+12
\end{array}
$$