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①  $P \rightarrow x^4 + x^3 + 1$

$\rightarrow x^4 x^3 x^2 x^1 x^0$

$\rightarrow 1 1 0 0 1$

$M \rightarrow 10010011011$

$\rightarrow 10010011011 0000$

$P \rightarrow 11001 \overline{) 100100110110000}$

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(2)

$$p \rightarrow x^4 + x^3 + 1$$

$$t \rightarrow x^{14} + x^{10} + 1$$

$$\begin{array}{r}
 x^{10} + x^9 + x^8 + x^7 + x^6 + x^5 + x^4 + x^3 + x^2 + x + 1 \\
 x^4 + x^3 + 1 \overline{) x^{14} + x^{10}} \\
 \underline{x^{14} + x^{13} + x^{10}} \\
 x^3 + x^{12} \\
 \underline{x^{13} + x^{12} + x^9} \\
 x^{12} + x^9 \\
 \underline{x^{12} + x^{11} + x^9} \\
 x^{11} \\
 \underline{x^{11} + x^{10} + x^7} \\
 x^{10} + x^7 \\
 \underline{x^{10} + x^9 + x^6} \\
 x^9 + x^7 + x^6 \\
 \underline{x^9 + x^8 + x^5} \\
 x^8 + x^7 + x^5 + x^6 \\
 \underline{x^8 + x^7 + x^4} \\
 x^6 + x^5 + x^4 \\
 \underline{x^6 + x^5 + x^2} \\
 x^4 + x^2 \\
 \underline{x^4 + x^3 + x} \\
 x^3 + x^2 + x
 \end{array}$$

& erau fi dah bisa  
 diiditli karena hawlyu  
 & idak habis