

$\Sigma 140$
33

$$P(x) = 2x^4 - 6x^3 + 5x^2 - 3x + 2$$

$$P(x) \mid \frac{x-1}{\Pi(x)}$$

 \Rightarrow

$$\Pi(x) \mid \frac{x-2}{\Pi'(x)}$$

$$0 \mid 2x^2 + 1$$

$$P(x) = (x-1) \cdot \Pi(x)$$

$$P(x) = (x-1) \cdot (x-2) \cdot \underline{\Pi(x)}$$

Horner

$$\begin{array}{c|ccccc|c} & 2 & -6 & 5 & -3 & 2 & 1 \\ \hline & 1 & 2 & -4 & 1 & -2 & \\ \hline & 2 & -4 & 1 & -2 & 0 & \end{array}$$

 P $\Pi(x)$

Horner

$$\begin{array}{c|ccccc|c} & 2 & -4 & 1 & -2 & 2 \\ \hline & 1 & 4 & 0 & 2 & \\ \hline & 2 & 0 & 1 & 0 & \end{array}$$

 P $\Pi'(x)$ $v=0$ v $\Pi(x)$ Π

$$2x^2 + 1$$

$$2x^4 - 6x^3 + 5x^2 - 3x + 2 = (x-1) \cdot (2x^3 - 4x^2 + x - 2)$$

$$P(x)$$

$$= (x-1) \cdot (x-2) \cdot \boxed{(2x^2 + V)}$$

Speaking: