

$\Rightarrow \exists \in \mathbb{Q} \cap \overline{\mathbb{Z}} = \mathbb{Z}$ és $(p-1)! \mid \exists$, de

$$p! \mid \exists \Rightarrow |\exists| \geq (p-1)!$$

$$f(x) = b^{np} x^{p-1} (x - \phi_1)^p \dots (x - \phi_n)^p$$

$$(p-1)! \leq |\exists| \leq \sum_{\ell=1}^n |\phi_\ell| e^{|\phi_\ell|} \tilde{f}(|\phi_\ell|) \leq c \cdot A^p$$

$\ell=1$

$$\tilde{f}(x) = b^{hp} x^{p-1} (x + |\phi_1|)^p \dots$$

$$\left(b^{hnp} \left(|\phi_1| + \dots + |\phi_n| \right)^{hnp} \right)^p \leq P$$

A

