mult. My gi

$$HgH \neq Hg_2H$$
 $\Rightarrow \exists \tilde{h}g,h' \in Hg,H \setminus Hg_2H$

if $\tilde{h}g,h' = \tilde{h}_2g_2h'$

Qual Prep

Smallest pring n.

If
$$|G| = n$$
 and $[G:H] = p$ then H is normal

Schrier's Lemma

$$\begin{array}{ccc}
\text{finte} \\
\text{(s)} &= 6,
\end{array}$$

$$G = g_1 H \circ g_2 H \circ \dots \circ g_n H$$

He T = { h ∈ H:
$$g_{j} S_{i} g_{k}^{T} = h } ?$$
 $\exists s_{i}, y_{i}, g_{k}$

W= set of elements of G that can be

witten as products of at most jets of S.

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$$\bigvee_{\mathbf{m}} \in \{g_1, \dots, g_n\} \bigvee_{\mathbf{m}}$$