tomachello

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words

problem #aaa

if two words commute, they must both be powers of a third word.

$$\{(w_1, w_2) \in \text{WORDS}^2 \ \textbf{s.t.} \ w_1 w_2 = w_2 w_1\} = \{(w^\alpha, w^\beta) \ \textbf{s.t.} \ w \in \text{WORDS}, \ \alpha, \beta \in \mathbb{Z}_{\geq 0}\}$$