

# High school geometry theorems

Hilbert's axiomatic system.

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**Theorem 1 (th\_3n\_01.)** *Assuming that  $\alpha \neq \beta$  and  $C \in \alpha$  and  $C \in \beta$  there exist line  $s$ , such that  $s \in \alpha$  and  $s \in \beta$ .*

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