

# High school geometry theorems

Hilbert's axiomatic system.

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07.01.2017.

**Theorem 1 (th\_8\_01.)** *Assuming that  $\neg col(A, B, C)$  and  $bet(B, D, C)$  and  $bet(C, E, A)$  and  $bet(A, F, B)$  it holds that  $\neg col(D, E, F)$ .*

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