

High school geometry theorems

Hilbert's axiomatic system.

Formalizovano od strane: Sana Stojanovic Djurdjevic

Dokaz generisan uz pomoć: ArgoGeoChecker.

30.03.2018.

Teorema 1 (th_7c1.01.) *Pod pretpostavkom da važi $A \in t$ i $B \in t$ i $C \in t$ i $D \in t$ i $\text{bet}(A, D, B)$ i $\text{bet}(A, D, C)$ pokazati da važi $\text{col}(B, C, D)$.*

Teorema 2 (th_7c1.02.) *Pod pretpostavkom da važi $A \in t$ i $B \in t$ i $C \in t$ i $D \in t$ i $\text{bet}(A, D, B)$ i $\text{bet}(A, D, C)$ i $\text{col}(B, C, D)$ pokazati da važi $\text{bet}(B, C, D)$ ili $\text{bet}(C, B, D)$.*

Teorema 3 (th_7c1.03.) *Pod pretpostavkom da važi $A \in t$ i $B \in t$ i $C \in t$ i $D \in t$ i $\text{bet}(A, D, B)$ i $\text{bet}(A, D, C)$ i $\text{col}(B, C, D)$ i $\text{bet}(B, C, D)$ pokazati da važi $\text{bet}(D, C, B)$.*

Teorema 4 (th_7c1.04.) *Pod pretpostavkom da važi $A \in t$ i $B \in t$ i $C \in t$ i $D \in t$ i $\text{bet}(A, D, B)$ i $\text{bet}(A, D, C)$ i $\text{col}(B, C, D)$ i $\text{bet}(B, C, D)$ i $\text{bet}(D, C, B)$ pokazati da važi $\neg \text{bet}(B, D, C)$.*

Teorema 5 (th_7c1.05.) *Pod pretpostavkom da važi $A \in t$ i $B \in t$ i $C \in t$ i $D \in t$ i $\text{bet}(A, D, B)$ i $\text{bet}(A, D, C)$ i $\text{col}(B, C, D)$ i $\text{bet}(C, B, D)$ pokazati da važi $\text{bet}(D, B, C)$.*

Teorema 6 (th_7c1.06.) *Pod pretpostavkom da važi $A \in t$ i $B \in t$ i $C \in t$ i $D \in t$ i $\text{bet}(A, D, B)$ i $\text{bet}(A, D, C)$ i $\text{col}(B, C, D)$ i $\text{bet}(C, B, D)$ i $\text{bet}(D, B, C)$ pokazati da važi $\neg \text{bet}(B, D, C)$.*
