

MIZAR 1

str. 8

22.05.77

begin A: X=X end ?

begin X=Y  $\Rightarrow$  Y=X

proof let B: X=Y;

thus Y=X by ext(B,A);

X=Y  $\wedge$  Y=Z  $\Rightarrow$  X=Z

proof let C: X=Y  $\wedge$  Y=Z;

then D: X=Y;

E: Y=Z by C;

thus X=Z by ext(E,D) end end ?

begin X=Y  $\Rightarrow$  (Y=Z  $\Rightarrow$  X=Z);

proof let A: X=Y;

let B: Y=Z;

thus X=Z by ext(A,B) end end ?

end ?

end ?

WRITTEN BY  
STUDENTS

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MIZAR ( "PROPOSITIONAL  
CALCULUS" )