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best wis topic: Recursion
Analogy: much like proofs by induction.
Normal proof:
    Thm: A => E.
   Proof: A => B (Axion 2)
            B =) ( (SAS there)
            ( -> 0 ( alselva --)
             6 → € ( - - )
ha like the above meta thing, proof 5
by induction can involve an unbunded 
# of implications. Here's how it works.
Usual setting: want to prove that some
property T of positive integers (1,2,3...)
holds for all such values (1,2,3.)
Example: \sum_{i=1}^{n} = \frac{n(n+1)}{2}. (Example: \sum_{i=1}^{n} = \frac{n(n+1)}{2}. (is frue for n \in T_{(n)})
Oct line of inductive proof:
(1) 8how T(1) explicitly.
      \sum_{i=1}^{n} 1 = \frac{1(1+1)}{2}
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