indefined terms -

x means any set of I's and U's Definition -Postulates - 1) If a string of letters ends in "I" you can add a "U" at the end 2) If you have Mx, then you can add x to get Mxx. 3) If 3 I's occur (III) then you may substitute U in their place. 4) If UU occurs, you drop it. Given one statement, you are to derive or prove some other The objective is: statement. Statement Reasons Given MI Given: MI Example: Rule 2 MII Prove: MIIU MIIU | Rule 1 3. Prove the following theorems: 2. Given: MIIIUUIIII 1. Given: MIII Prove: MIIU Prove: M Reason Statement Reason Statement 4. Given: MI 3. Given: MI Prove: MIUIU Prove: MUI Reason Statement Reason Statement 6. Given: MI 5. Given: MI Prove: MU Prove: MIIUIIU Reason Statement Reason Statement

Marian

letters M, I, and U