X.IV  $E.g. (Wn)(A_n = \{1\})$ 

Prove  $(\forall n)(A_n=\{1\})$  follows the Stated properties. Proof:  $A_{n+1}=\{1\}$  and  $A_n=\{1\}$  according to the example. Thus,  $A_{n+1}\subset A_n$ . The intersection of all  $A_n$  is  $\{1\}$ . Thus, the statement is proven.

