

Suppose that  $R$  is a symmetric and transitive relation on the set  $A$  such that

$$\forall x \in A: \exists y \in A \mid x R y$$

. Show that  $R$  is reflexive on  $A$ .

$$\frac{\sum x^2}{n} - \mu^2$$

$$\{(n;m) \mid |n-m| \geq 3\}$$