Exercises

E3.h.27 [26P]Prerequisites:[26N],[01R].To assert the Theorem [24D] we have to prove [(3.185)], that is

$$\forall x, y \in \mathbb{N}, (x \subseteq Sy \land x \neq Sy) \iff (x \subseteq y) \quad .$$

Prove that if X is a set where each element is transitive

$$\forall x, y \in X, (x \subseteq Sy \land x \neq Sy) \iff (x \subseteq y) \quad . \qquad (3.h.28)$$

Solution 1. [26Q]