1 ────────────── MODULE *AdditionalMathOperators* ──────────────

2 EXTENDS *Naturals*

4 $PosInt \triangleq Nat \setminus \{0\}$

6 $Min(x, y) \triangleq$ IF $x \leq y$ THEN x ELSE y
7 $Max(x, y) \triangleq$ IF $x \leq y$ THEN y ELSE x

9 $SetMin(s) \triangleq$ CHOOSE $a \in S : \forall b \in S : a \leq b$
10 $SetMax(s) \triangleq$ CHOOSE $a \in S : \forall b \in S : b \leq a$

11 └───

\ * Modification History
\ * Last modified Sat *Jan* 25 17:05:44 *CST* 2020 by *hengxin*
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