──────────────────── MODULE *HourClock* ────────────────────

EXTENDS *Naturals*
VARIABLE *hr*
$HCini \triangleq hr \in (1 .. 12)$
$HCnxt \triangleq hr' = $ IF $hr \neq 12$ THEN $hr + 1$ ELSE 1
$HC \triangleq HCini \wedge \Box[HCnxt]_{hr}$

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THEOREM $HC \Rightarrow \Box HCini$

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\ * Last modified *Thu* May 16 13:00:25 *PDT* 2019 by *jasondebolt*
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