─────── MODULE *EagerVotingWithChosen* ───────

EXTENDS *EagerVoting*
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$ChosenAt(b, v) \triangleq$
$\quad \exists\, Q \in Quorum : \forall\, a \in Q : VotedFor(a, b, v)$

$chosen \triangleq \{v \in Value : \exists\, b \in Ballot : ChosenAt(b, v)\}$

$Consistency \triangleq chosen = \{\} \vee \exists\, v \in Value : chosen = \{v\}$ $\boxed{Cardinality(chosen) \leq 1}$

$C \triangleq$ INSTANCE *Consensus* $\boxed{\text{WITH } Acceptor \leftarrow Acceptor,\ chosen \leftarrow chosen}$

THEOREM $Refinement \triangleq Spec \Rightarrow C!Spec$
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\ * Modification History
\ * Last modified Sun *Sep* 08 22:00:19 *CST* 2019 by *pure_*
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