```
— Module EagerVotingL -
 2 EXTENDS EagerVoting
3 ⊦
    Variable lazyMaxBal
     TypeOKL \triangleq
          \land TypeOK
          \land lazyMaxBal \in [Acceptor \rightarrow Ballot \cup \{-1\}]
    InitL \triangleq
10
          \wedge Init
11
          \land lazyMaxBal = [a \in Acceptor \mapsto -1]
12
     IncreaseMaxBalL(a, b) \triangleq
14
          \land IncreaseMaxBal(a, b)
15
          \land lazyMaxBal' = [lazyMaxBal \ EXCEPT \ ![a] = b]
16
     VoteForL(a, b, v) \triangleq
18
          \land VoteFor(a, b, v)
19
          \wedge lazyMaxBal' = [lazyMaxBal \ EXCEPT \ ![a] = b]
20
21 |
    NextL \triangleq
^{22}
         \exists a \in Acceptor, b \in Ballot :
23
             \vee IncreaseMaxBalL(a, b)
24
             \lor \exists v \in Value : VoteForL(a, b, v)
25
    SpecL \; \stackrel{\Delta}{=} \; InitL \wedge \, \Box [\mathit{NextL}]_{\langle votes, \; maxBal, \; lazyMaxBal \rangle}
28
     V \stackrel{\triangle}{=} \text{INSTANCE } Voting \text{ WITH } maxBal \leftarrow lazyMaxBal
   THEOREM SpecL \Rightarrow V!Spec
     \* Modification History
     \* Last modified Tue Aug 13 21:26:35 CST 2019 by hengxin
     \* Created Tue Aug 13 20:16:36 CST 2019 by hengxin
```