```
—— MODULE Simple Voting -
2 EXTENDS Naturals
 4 CONSTANT Participant
    VARIABLE maxBal
    \textit{TypeOK} \; \stackrel{\triangle}{=} \; \textit{maxBal} \in [\textit{Participant} \rightarrow \textit{Nat}]
    Init \triangleq maxBal = [p \in Participant \mapsto 0]
   IncreaseMaxBal(p, b) \stackrel{\Delta}{=}
12
       \wedge \ maxBal[p] < b
       \wedge maxBal' = [maxBal \ \text{EXCEPT} \ ![p] = b]
14
   Next \triangleq \exists p \in Participant, b \in Nat : IncreaseMaxBal(p, b)
    Spec \stackrel{\triangle}{=} Init \wedge \Box [Next]_{maxBal}
     \ \ *  Modification History
     * Last modified Thu Aug 15 12:07:49 CST 2019 by hengxin
     \ * Created Thu Aug 15 11:12:58 CST 2019 by hengxin
```