```
CastVotes(source, target, validators) \triangleq
LET ffgVote \triangleq [source \mapsto source, target \mapsto target]IN
 \land UNCHANGED \langle blocks, block\_graph, block\_graph\_closure \rangle
 \land IsValidFFGVote(ffqVote)
 \land validators \neq \{\}
 \land ffq\_votes' = ffq\_votes \cup \{ffqVote\}
 \land votes' = votes \cup \{Vote(v, ffgVote) : v \in validators\}
 \land LET allCheckpoints <math>\stackrel{\triangle}{=} \{Checkpoint(block, i) : block \in blocks, i \in CheckpointSlots\}
   IN \exists allJustifiedCheckpoints \in SUBSET allCheckpoints :
     \land justified\_checkpoints' = allJustifiedCheckpoints
     \land \forall c \in allJustifiedCheckpoints : IsJustified(c, votes', allJustifiedCheckpoints)
     \land \forall c \in (allCheckpoints \setminus allJustifiedCheckpoints):
          \neg IsJustified(c, votes', allJustifiedCheckpoints)
```

 $@type:(\$\ checkpoint,\ \$\ checkpoint,\ Set(Str))\Rightarrow Bool;$