```
allRolls :: DiceChoice -> DiceState -> [ DiceState ]
                                                              allRolls :: DiceChoice -> DiceState -> [ DiceState ]
allRolls [] ([], []) = [ ([], []) []
                                                              allRolls []([], n) = [([], n-1)]
allRolls [] (: . ) =
                                                              allRolls []
                                                                error "Invariant violated: choices must be
                                                                     same length as vals"
                                                              allRolls ( : )
                                                               error "Invariant violated: choices must be same
  error "Invariant violated: choices must be same
       length as vals"
                                                                     length as vals"
```