

Methods that should have unit tests:

getControl  
setNumSides

These should have unit tests because they are updating internal variables and performing operations and have inputs.

Methods that shouldn't have test cases:

getCurrentSec  
getCurrentMSec  
Simulator  
run  
main

It doesn't make sense for these methods to have unit tests because they have no inputs and/or they don't alter anything internally (getCurrentSec and getCurrentMSec)

Equivalence classes

getControl(sec,msec):

- $\text{sec} < 0, \text{msec} \geq 0$
- $\text{sec} \geq 0, \text{msec} < 0$
- $\text{sec} \geq 0, \text{msec} \geq 0$

setNumSides(n)

- $3 \leq n \leq 10$
- $3 > n$  or  $n > 10$