Assignment 3: Kachua Movement Optimization

**Implementation:**

* First we get the successor node by using the function getsuccessor() .
* To generate the gen and kill sets for each basic block we use the function creategenkill().
* We use two analysis one for up and down and one for forward and backward
* Up and down gives us whether the pen is up or not.

**To run the code:**

* Just copy the submission file to a kachua folder and run kachua.py

**Limitations:**

* It can be used to only optimize forward forward movements in a program.
* It can only be used for penup optimization.