Mock Output of Program

Definitions:

* An **Instance** is one completion of sending 1 graph through all 5 algorithms
  + An **Instance Suite** results in the averaged values of *decisions\_made* and *successful\_colorings* for each algorithm from the repetition of one instance
* A **Run** is one completion of sending all 10 graphs (sizes 10 – 100) through all 5 algorithms
  + **Run Results** are the values of *decisions\_made* and *successful\_colorings* for each algorithm over 1 run
* A **Run** **Suite** is the repetition of many runs (ideally 100+)
  + **Suite Results** are the averaged values of *decisions\_made* and *successful\_colorings* from run results for each algorithm over 1 suite

Desired Outputs

We want data from the instance suite and run suite because the suites will make our results be statistically valid. Let’s start with a suite being 30 runs, but if we have time to run them overnight, have it be over 100 runs. Create output that we can put in tables such as:







* Notes:
  + Add column for how well an algorithm colored a graph when it failed