Mock Output of Program

Definitions:

- An **Instance** is one completion of sending 1 graph through all 5 algorithms
 - O 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
 - o 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+)
 - O **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:

	Instanc	e Suite Results for Graph o	of Size 10
		Min Conflicts	
Suite Run#		Decisions Made	Successful Colorings
	1 data go	es here	data goes here
	2 data go	es here	data goes here
	3 data go	es here	data goes here
	etc		
Total Values			
Average	data go	es here	data goes here
Min	data go	es here	data goes here
Max	data go	es here	data goes here
		Simple Backtracking	
Suite Run#		Decisions Made	Successful Colorings
Suite Ruii #	1 data go		data goes here
	2 data go		data goes here
	3 data go		data goes here
	etc	es nere	uata goes fiere
Total Values	eic		
Total Values			
Average	data go		data goes here
Min	data go		data goes here
Max	data go	es here	data goes here
		etc	

Instance Suite Results for Graph of Size 20				
	Min Conflicts			
Suite Run#	Decisions Made	Successful Colorings		
1	data goes here	data goes here		
2	data goes here	data goes here		
etc				
Total Values				
Average	data goes here	data goes here		
Min	data goes here	data goes here		
Max	data goes here	data goes here		
	Simple Backtracking			
Suite Run#	Decisions Made	Successful Colorings		
1	data goes here	data goes here		
2	data goes here	data goes here		
3	data goes here	data goes here		
etc				
Total Values				
Average	data goes here	data goes here		
Min	data goes here	data goes here		

	Run Suite Results for Suite of size	ze 100
	Min Conflicts	
Total Values	Decisions Made	Successful Colorings
Average	data goes here	data goes here
Min	data goes here	data goes here
Max	data goes here	data goes here
	Simple Backtracking	
Total Values	Decisions Made	Successful Colorings
Average	data goes here	data goes here
Min	data goes here	data goes here
Max	data goes here	data goes here
	Genetic Algorithm	
Total Values	Decisions Made	Successful Colorings
Average	data goes here	data goes here
Min	data goes here	data goes here
Max	data goes here	data goes here
	etc	