Weekly Report 5

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# What I did

I learned JuMP.

I implemented the semidefinite programming MAX CUT solver.

I also debugged my function that generates a random graph, given the number of vertices and sparsity measure and put it to use to test all the other MAX CUT solvers I wrote.

I *think* the numbers are within reasonable bounds of their expected values, so my implementations should be correct, but would appreciate another pair of eyes. The test output is in the code zip attached in this email.

# What I will do next week

Implement the Trevisan MAX CUT solver and test it.