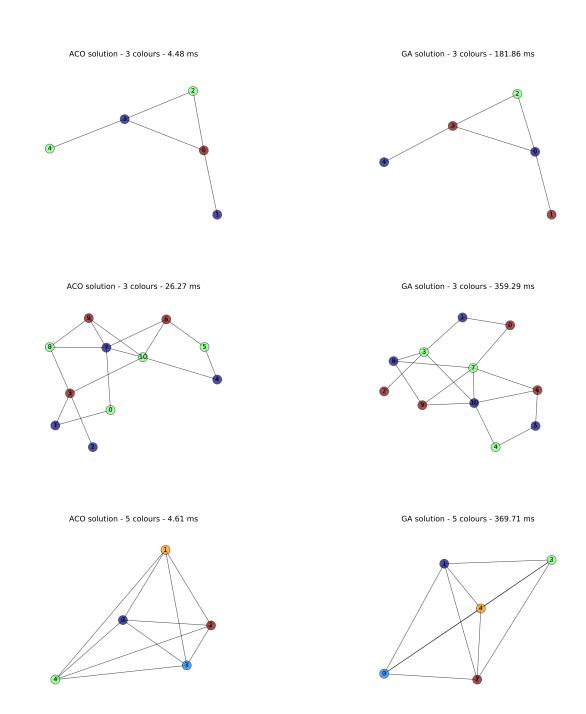
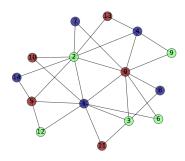
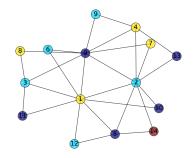
A few examples of the performance and the effectiveness of the implemented Ant Colony System on graph colouring problems, in comparison to Genetic Algorithm:

- ACO parameters: num_ants=10, iter=10, alpha=1, beta=3, decay=0.5
- GA parameters: population=50, generations=1000

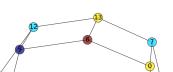
Solutions:







ACO solution - 3 colours - 45.13 ms



GA solution - 4 colours - 689.78 ms

Effectiveness of the colouring and the runtimes on 30 random *Dorogovtsev-Goltsev-Mendes* graphs of complexity 3:

