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Our language is Rust and our idea would be to use one of the two libraries below to design a genetic algorithm to solve the traveling salesperson problem.

This project will be used to show case Rust's:

- Speed – The second library claims it solved N-queens in only a few seconds when $N=255$
- Easy and safe concurrency – running the algorithm in parallel would require much more overhead in Java or much more work in C/C++
- Small memory footprint – The second library claims it solved N-queens using less than 1MB of RAM when $N=255$

Libraries:

<https://github.com/Martin1887/oxygen>

<https://github.com/innoave/genevo>