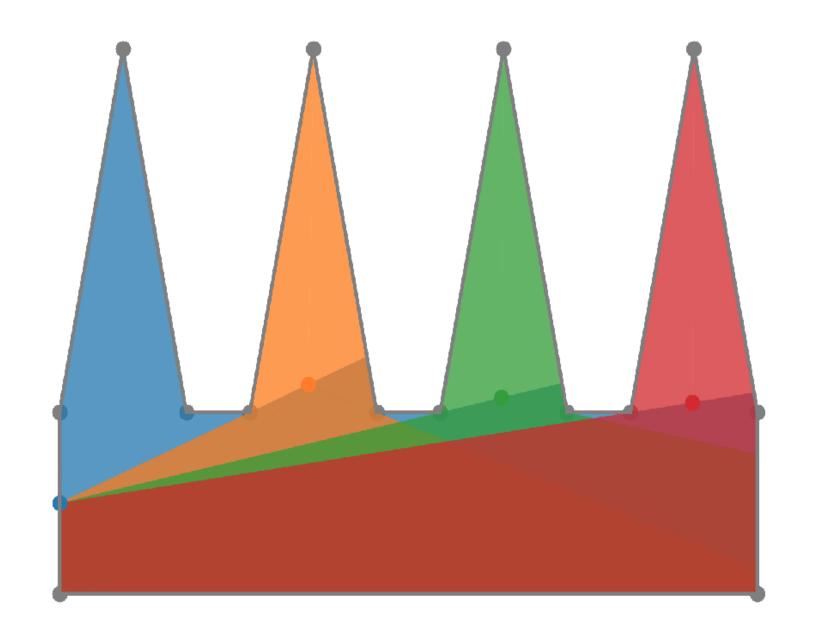
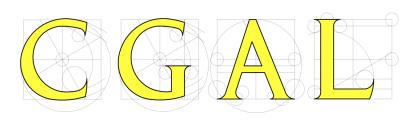
### Solving the Art Gallery Problem Using Gradient Descent

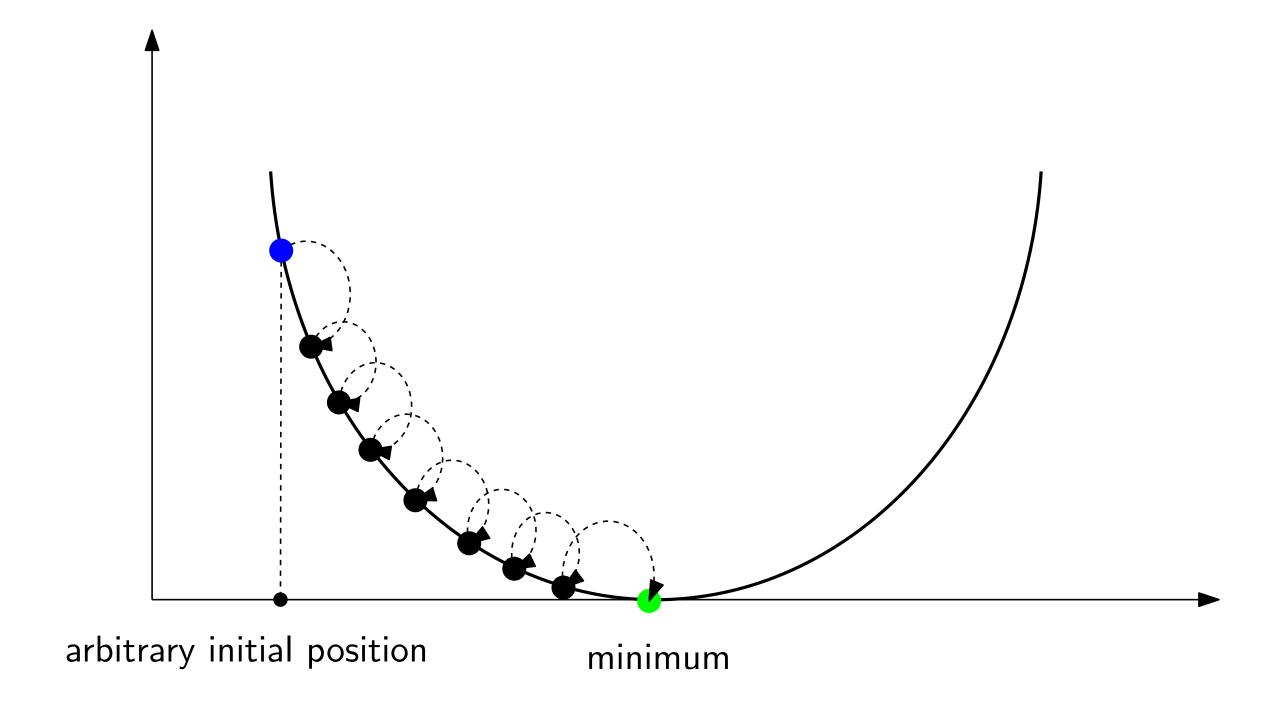


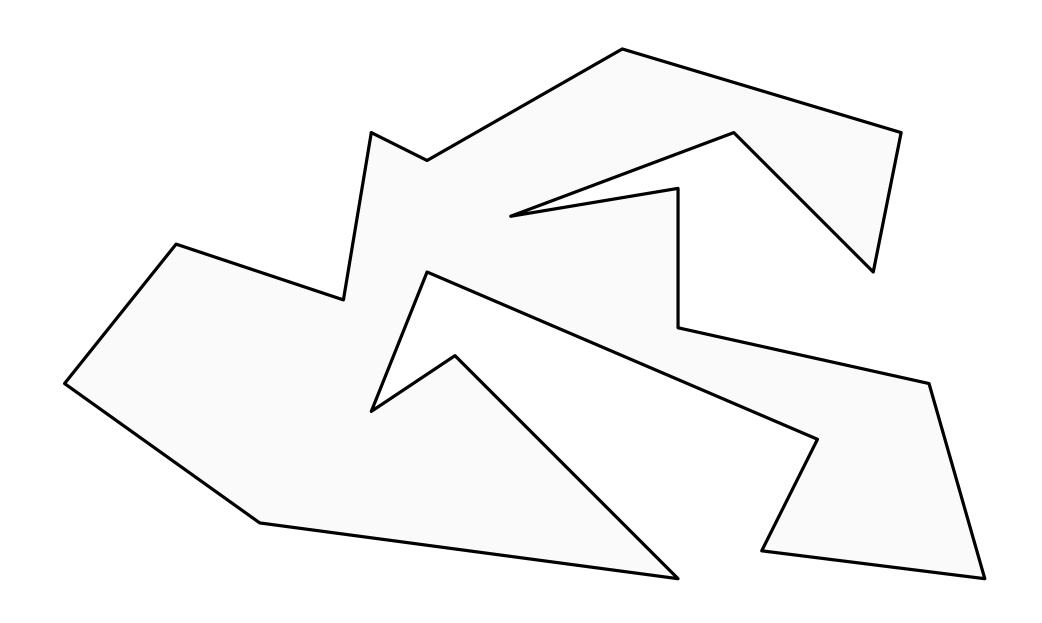


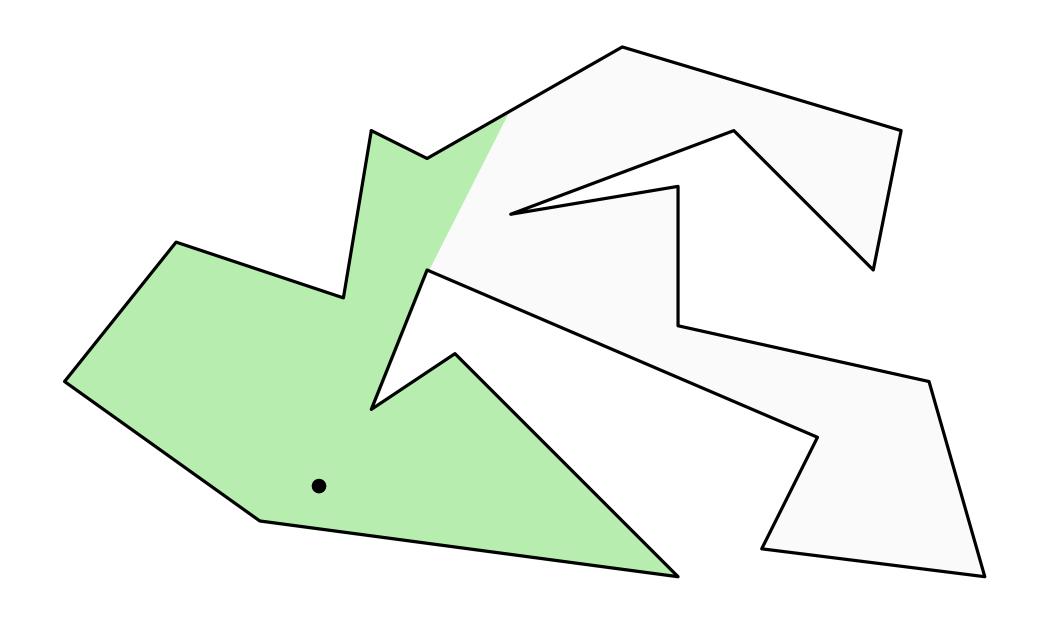
Geo Juglan Till Miltzow

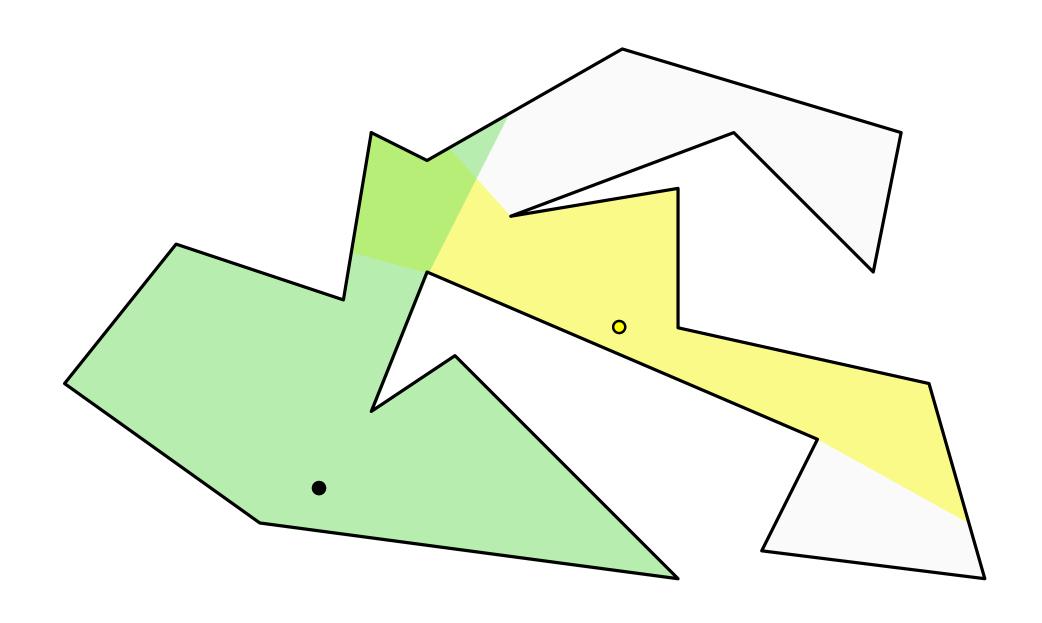


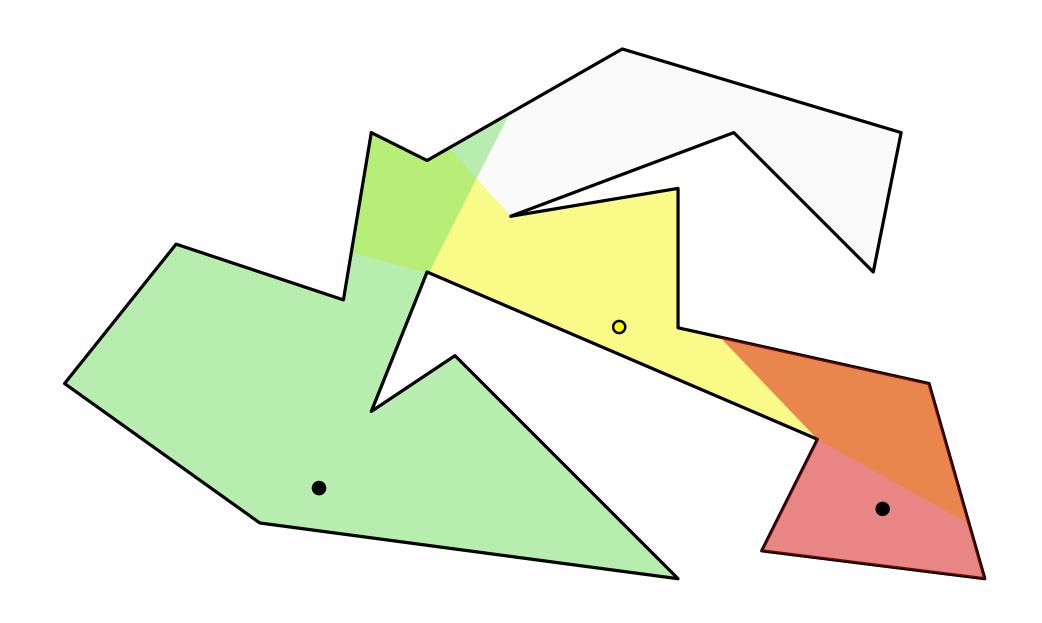
### Gradient Descent

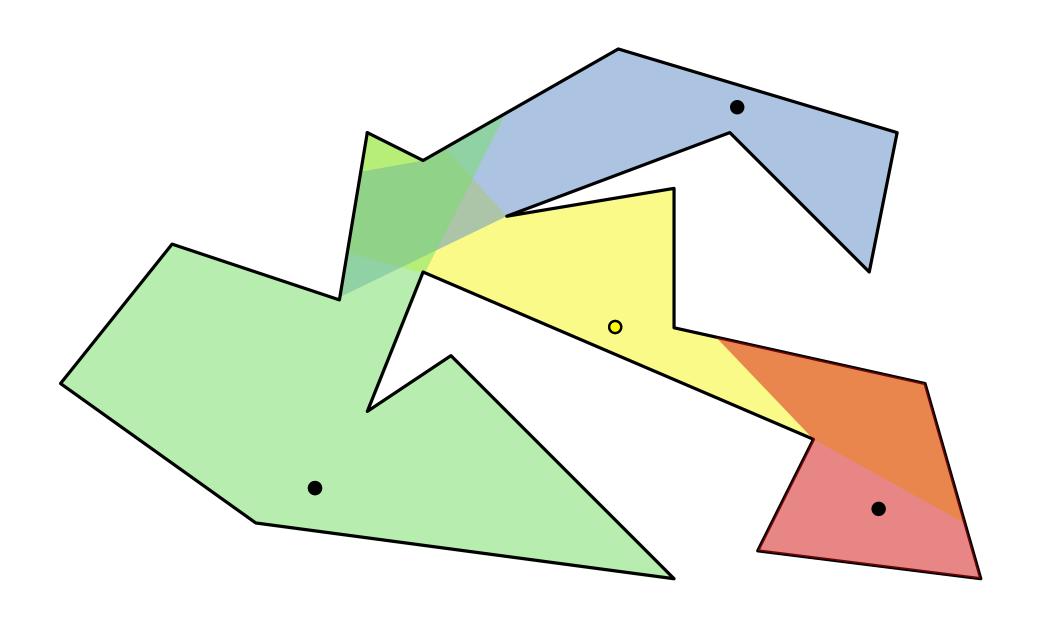


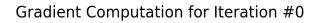


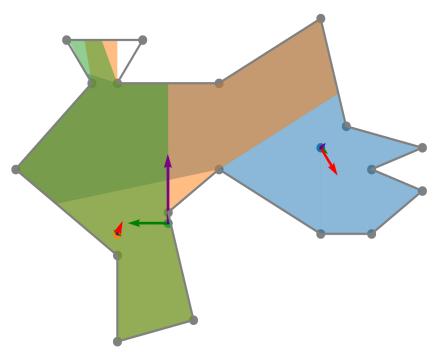


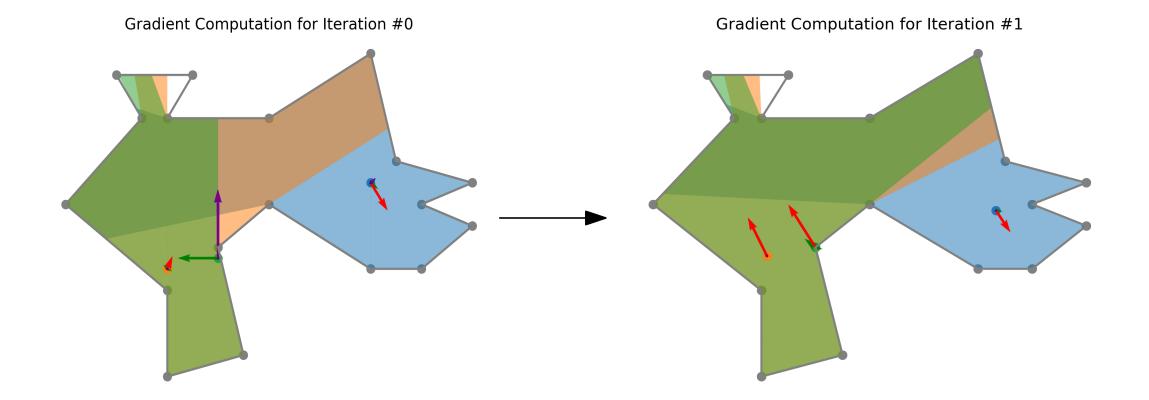


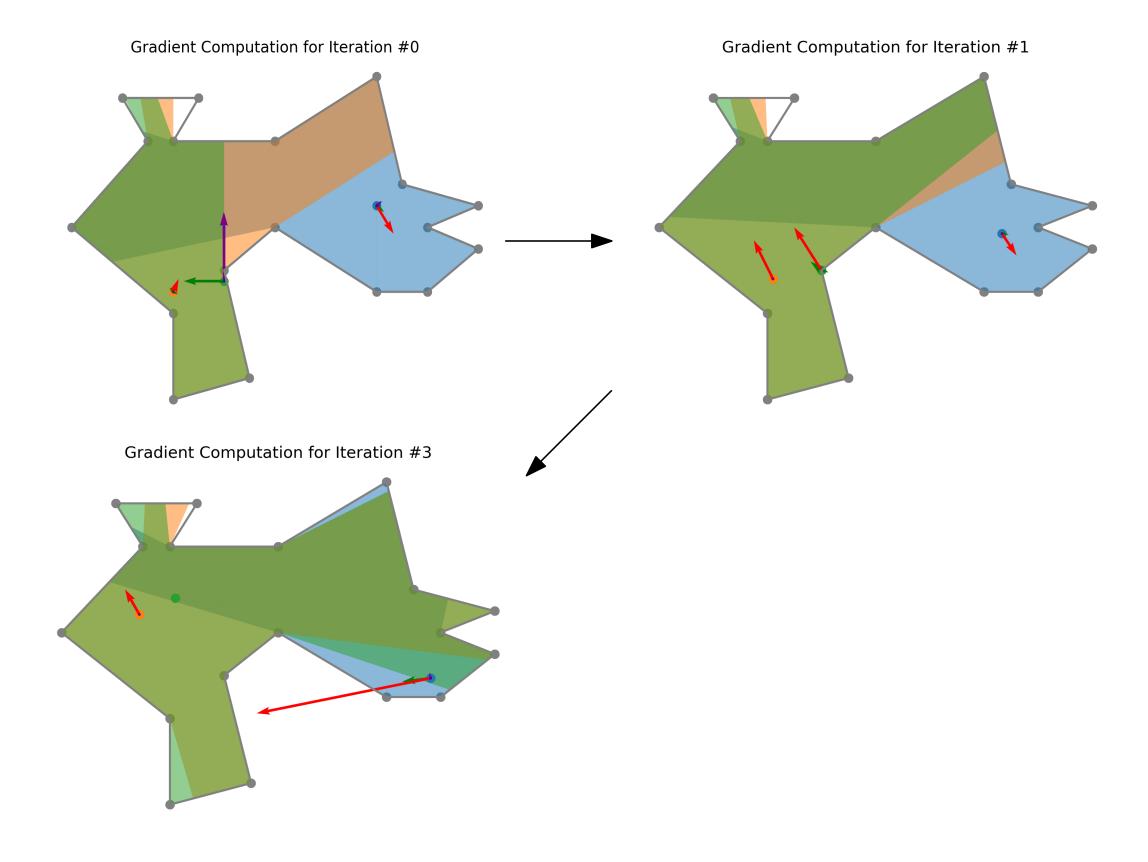


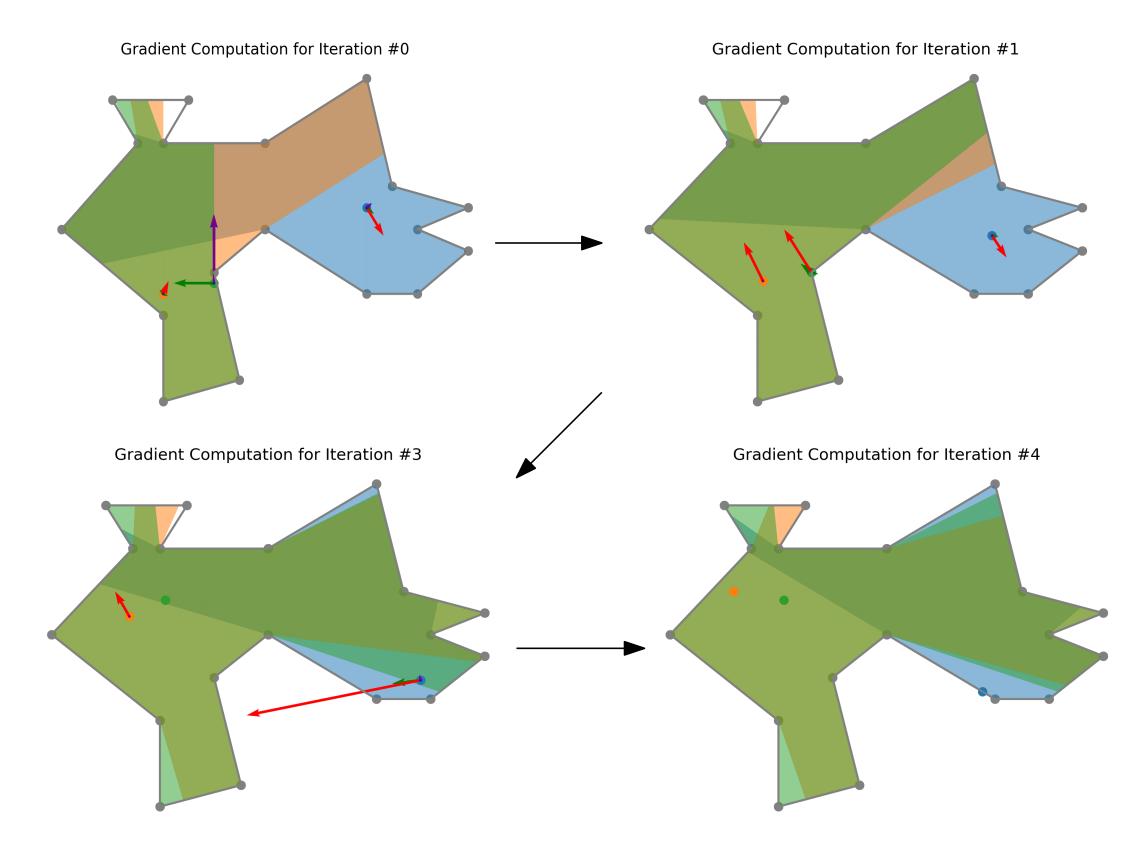




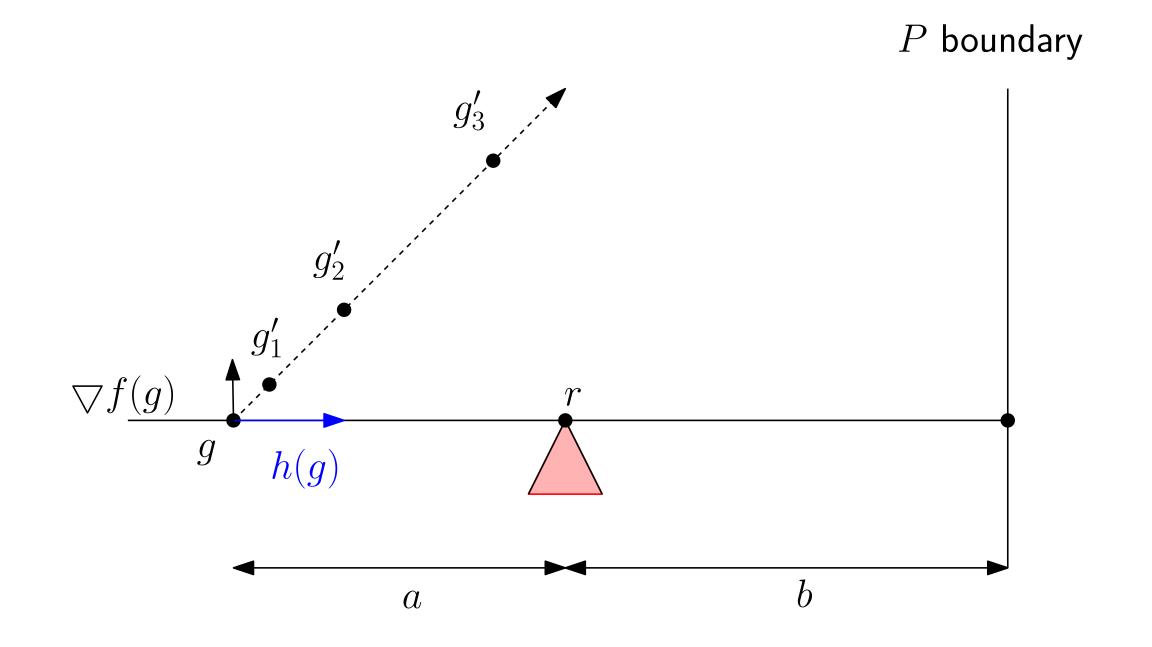






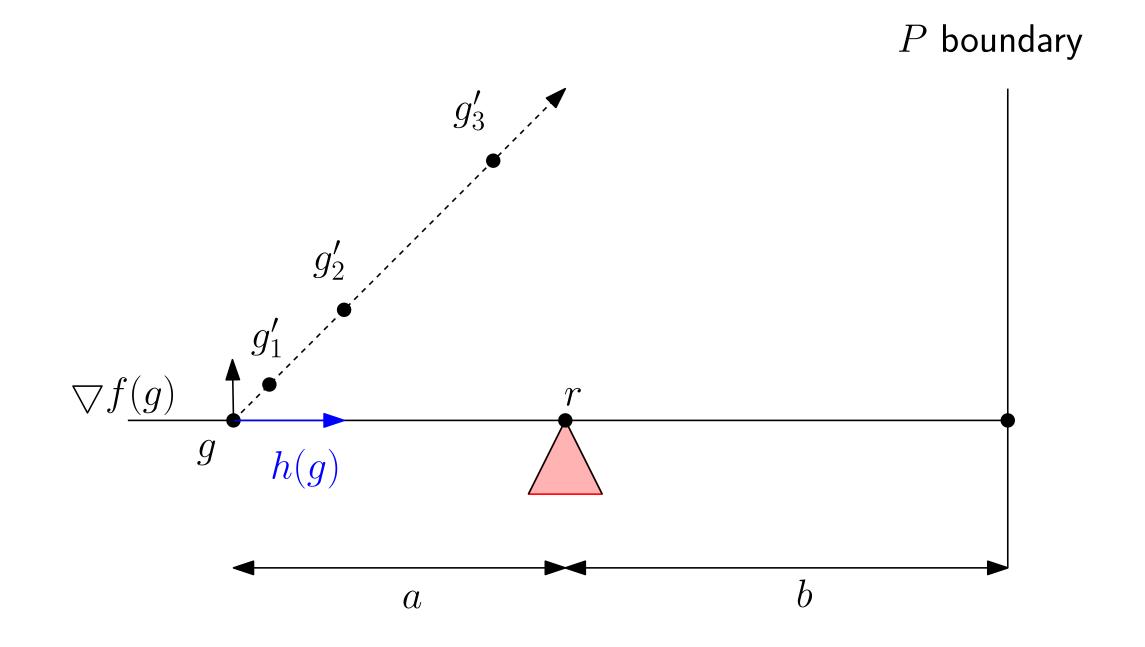


### Heuristics: Line Search



...and more

### Heuristics: Line Search



...and more

### Follow-up

use my code (or not) as a starting point to...

...improve the algorithm's robustness, performance and scalability

...implement other heuristics (so many more ideas!)

...test the algorithm on larger polygons with more guards

...solve bugs

