

— Sprint 3 —

Deadline: 22nd of May

Nice work so far! Our engineers now have some experience with your solver in the wild and so far none of our customers has died. Or at least we think so as nobody told us... After we deployed your solver in our RaCoON¹ however we were flooded with automated crash reports.

During the ensuing late-night debugging session, one of my colleagues noticed a tiny problem with WolVeriNe. Apparently conditional statements are a thing in modern software engineering and we have no support for them yet. We figured that we could model them using *Boolean logic*. Essentially we need to combine multiple problems of the type you can already handle using *AND*, *OR*, *NOT*, etc.

From our understanding the solving framework you use can already handle this, though we are not sure about the details. Maybe you can ask the developers of SMT-RAT for some support?

We have extracted a few of such examples and uploaded them to your Slack.

¹Rational Convex Optimization Network