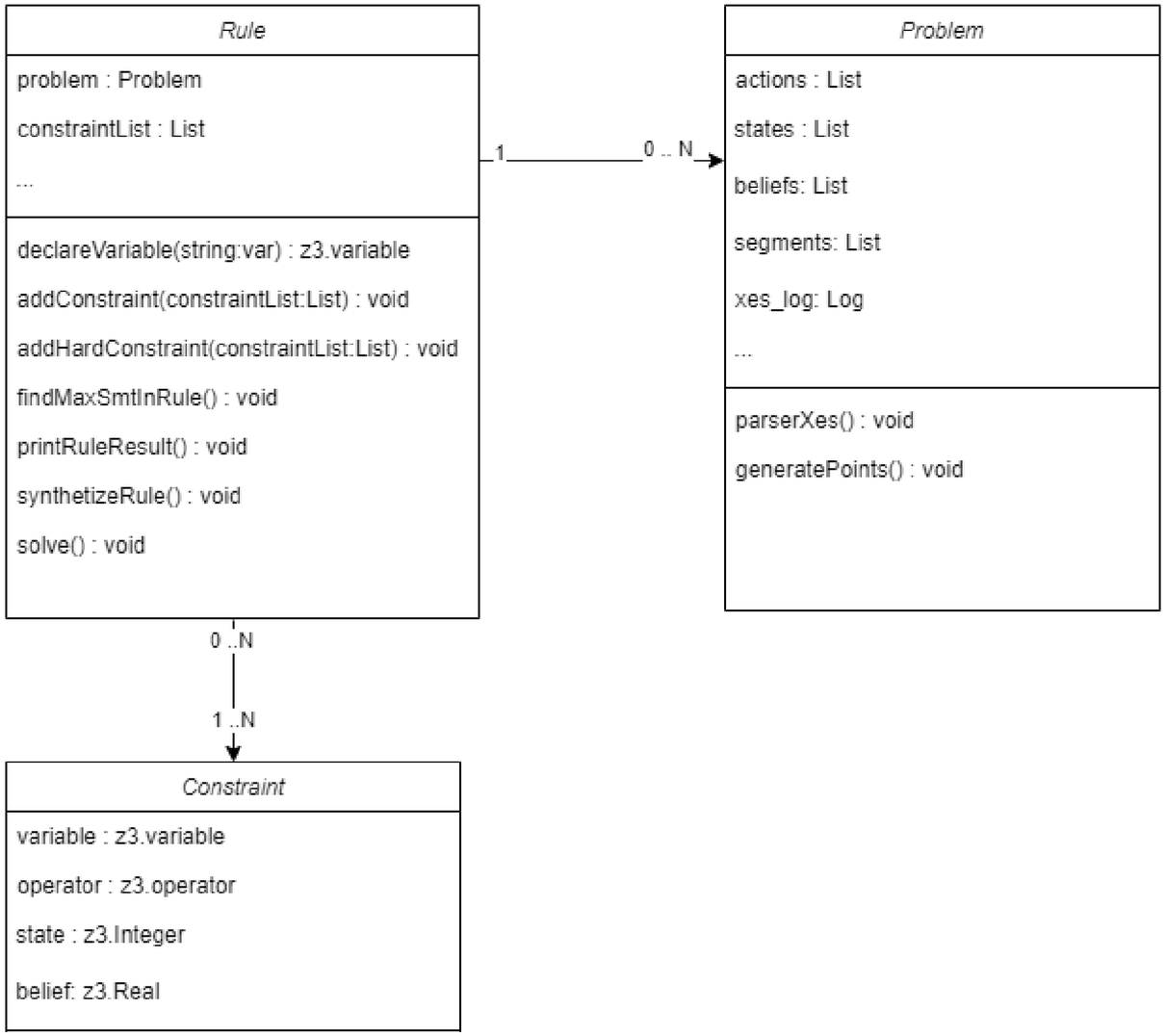
Obbiettivo: Generalizzare il problema

Riuscire a trattare problemi diversi con pochissime modifiche al codice.

Progettazione



Giovanni Bagolin

13/12/2020

Prima vs Dopo

Prima

```
rs = RuleSynth(
            xes_log=xes_log,
            threshold=0.1,
            rules=[
                    SpeedRule(
                    speeds=[0],
                    constraints = [
                        SpeedRuleConstraints(greater_equal=[2],    lower_equal=[]),
                        SpeedRuleConstraints(greater_equal=[1, 2], lower_equal=[]),
                        SpeedRuleConstraints(greater_equal=[], lower_equal=[0])
                        ]
                    )
                ]
            )

    rs.synthetize_rules()
```

Dopo

```
problem = Problem(xes_log=xes_log, states=[0,1,2], actions=[0,1,2])
rule = Rule(actions = [0], problem = problem)

x1 = rule.declareVariable('x1')
x2 = rule.declareVariable('x2')
x3 = rule.declareVariable('x3')
x4 = rule.declareVariable('x4')

rule.addConstraint(x1 >= 2)
rule.addConstraint(x2 >= 1, x3 >= 2)
rule.addConstraint(x4 <= 0)
rule.addHardConstraint(x1 >= 0.70)

rule.solve()
```