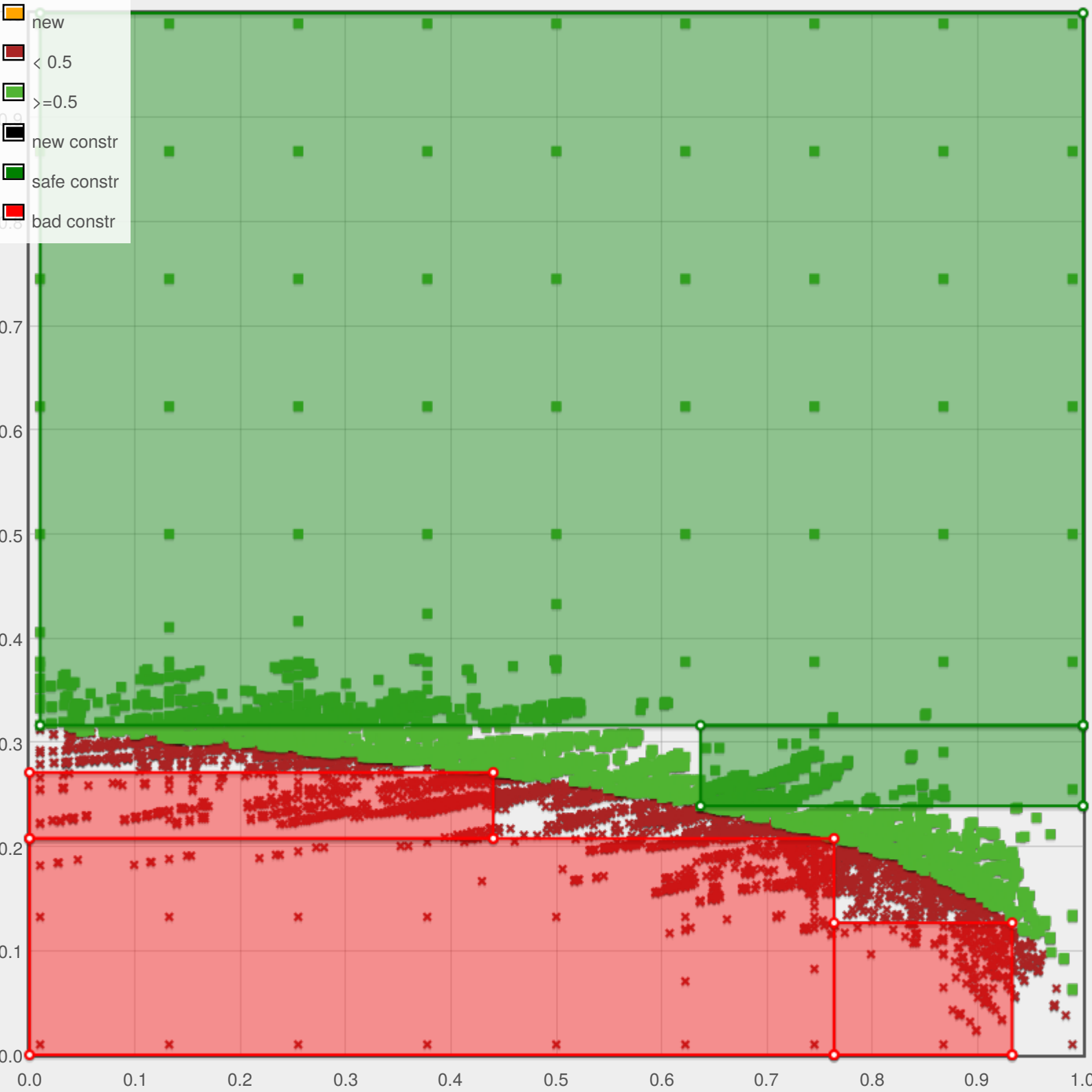


# Prophesy UI



(0.08, 1.03)

## Input

Upload PrismUpload resultSelect result

Path to prism file:Browse...No file selected.

Path to PCTL file:Browse...No file selected.

Run with:Prophecy

Upload

## Sampling

Manual SamplingAuto Sampling

Sampling number:9

Number of iterations:3

Go

## Constraints

Manual ConstraintsAuto Constraints

Growing rectangles

Generate

## Settings

Threshold:0.5

SMT Solver:Z3

# Info

## Rational Function

Parameters: PF, badC

Parameter Constraints:

- PF >= 0
- PF - 1 <= 0
- PF + 1 >= 0
- PF <= 0
- badC + 1 >= 0
- badC <= 0
- badC >= 0
- badC - 1 <= 0
- PF > 0
- PF + 1 > 0
- badC + 1 > 0

Result:  $(-128*PF^{**5}*badC^{**10} + 1360*PF^{**5}*badC^{**9} - 6320*PF^{**5}*badC^{**8} + 16760*PF^{**5}*badC^{**7} - 27640*PF^{**5}*badC^{**6} + 28928*PF^{**5}*badC^{**5} - 18720*PF^{**5}*badC^{**4} + 6840*PF^{**5}*badC^{**3} - 1080*PF^{**5}*badC^{**2} - 960*PF^{**4}*badC^{**9} + 8880*PF^{**4}*badC^{**8} - 35280*PF^{**4}*badC^{**7} + 78000*PF^{**4}*badC^{**6} - 103200*PF^{**4}*badC^{**5} + 81360*PF^{**4}*badC^{**4} - 35280*PF^{**4}*badC^{**3} + 6480*PF^{**4}*badC^{**2} - 2880*PF^{**3}*badC^{**8} + 22680*PF^{**3}*badC^{**7} - 74880*PF^{**3}*badC^{**6} + 132750*PF^{**3}*badC^{**5} - 132570*PF^{**3}*badC^{**4} + 70290*PF^{**3}*badC^{**3} - 15390*PF^{**3}*badC^{**2} - 4320*PF^{**2}*badC^{**7} + 28080*PF^{**2}*badC^{**6} - 73980*PF^{**2}*badC^{**5} + 99090*PF^{**2}*badC^{**4} - 66960*PF^{**2}*badC^{**3} + 18090*PF^{**2}*badC^{**2} - 3240*PF*badC^{**6} + 16605*PF*badC^{**5} -$