

Constraint satisfaction techniques (CSP) are a powerful framework for modeling and solving various problems in artificial intelligence and operations research. Verification of HW and SW can profit from employing

constraint satisfaction for test generation. The essential property of a CSP algorithm (wrt. test generation) is the uniform generation of solution samples. We present several algorithms for sampling solutions of a CSP and extend them so that they can be used for sampling solutions of CSP with preferences. We test the performance of our algorithms on various benchmark problems.