

CS2310 Term Project Milestone#2

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Project Goal: Run the 8-Puzzle Problem in SIS Testbed

Current Status: Currently, I am able to run the 8 Puzzle Problem in SIS Testbed with a Single Cycle.

Description:

cycle0: P0 -enum< P1 >elim- P2

If P2 is empty, the program will rerun cycle0 with P2 as the initial problem set. The number of enumerators is parameterized.

Example:

```
Terminal Shell Edit View Window Help
Enumerator — azheng@essex:~/palacios-linux-compact-config — bash — 180x51
bash ... bash java azheng@essex...mpact-config azheng@pet
lw-wireless-pittnet-150-212-41-217:Enumerator ANZ28$ java -cp ../../Components/cycle1/alg1 Createcycle1_alg1 1 1 Result/alg1
Connect to SISServer successful
Start Processing Data for Round#0 of Cycle0
P0={(<023184765>)}
P1={(<023184765, 203184765, 123084765>)}
P2={}
Start Processing Data for Round#1 of Cycle0
P0={(<023184765, 203184765, 123084765>)}
P1={(<023184765, 203184765, 123784065, 283104765, 123804765, 123084765, 230184765>)}
P2={(<123804765>)}
lw-wireless-pittnet-150-212-41-217:Enumerator ANZ28$ java -cp ../../Components/cycle1/alg1 Createcycle1_alg1 1 2 Result/alg1
Connect to SISServer successful
Start Processing Data for Round#0 of Cycle0
P0={(<023184765>)}
P1={(<023184765, 203184765, 123084765>)}
P2={(<023184765, 203184765, 123784065, 283104765, 123804765, 123084765, 230184765>)}
P3={(<123804765>)}
lw-wireless-pittnet-150-212-41-217:Enumerator ANZ28$
```

cycle0: P0 -enum< P1 >elim- P2

cycle0: P0 -enum< P1 -enum< P2 >elim- P3

(a screenshot of the experiment results)