Offline 02 Report

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|  | **Start state** | **#misplaced tiles heuristic** | **Manhattan distance** |
| **Hill climbing** | 3 1 2  6 4 5  0 7 8 | Solution:  **0 1 2**  **3 4 5**  **6 7 8**  **h=0**  **3 iterations** | Solution:  **0 1 2**  **3 4 5**  **6 7 8**  **h=0**  **3 iterations** |
| **Hill climbing** | 3 1 2  6 4 0  7 8 5 | Solution:  **0 1 2**  **3 4 5**  **6 7 8**  **h=0**  **6 iterations** | Solution:  **3 1 2**  **6 4 0**  **7 8 5**  **h=8**  **1 iteration** |
| **Simulated annealing** | 3 1 2  6 4 5  0 7 8 | Solution:  **3 1 2**  **4 0 5**  **6 7 8**  **h=3**  **6 iterations** | Solution:  **3 1 2**  **0 4 5**  **6 7 8**  **h=2**  **6 iterations** |
| **Simulated annealing** | 3 1 2  6 4 0  7 8 5 | Solution:  **3 1 2**  **0 6 4**  **7 8 5**  **h=7**  **6 iterations** | Solution:  **3 1 2**  **0 6 4**  **7 8 5**  **h=8**  **6 iterations** |

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Course: CSE 3812

Section: A