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| --- | --- | --- |
| **Satisfiability of Test Cases** | **Number of Steps to Solve** | **Notes** |
| **case1.asp** | 5 | Working! |
| **case2.asp** | 6 | Working! |
| **case3.asp** | 6 | Working! |
| **case4.asp** | 7 | Working! |
| **case5.asp** | 7 | Working! |
| **case6.asp** | 6 | Working! |
| **case7.asp** | 6 | Working! |
| **case8.asp** | 7 | Working! |
| **case9.asp** | 7 | Working! |
| **case10.asp** | N/A | Should be unsatisfiable because shelves are in the way and can’t be moved. |
| **case11.asp** | 11 | Working! |
| **case12.asp** | 12 | Working! (but had to move the shelves in closer to make the time more manageable) |
| **case13.asp** | 7 | Working! |
| **case14.asp** | N/A | Not returning satisfiable |
| **case15.asp** | 10 | Working! |
| **case16.asp** | 7 | Working! |
| **case17.asp** | 11 | Working! |
| **case18.asp** | 6 | Working! |
| **case19.asp** | N/A | Not returning satisfiable, may be too intense of a case |
| **case20.asp** | 9 | Working! |
| **case21\_4x4.asp** | N/A | Not returning satisfiable |
| **case22\_4x4.asp** | N/A | Should be solvable in about 11-12 steps |
| **case23\_4x4.asp** | N/A | Not returning satisfiable, may be too intense of a case |