| Problem | Command line inputs | Output | Number of calls | Number of calls with UCH |
| --- | --- | --- | --- | --- |
| Sammy 1 | python DPLL.py sammy.cnf O1Y O2W O3Y L1W L2Y L3B +UCH | C1Y: 1  O1Y: 1  C1B: 1  C1W: 1  O1W: -1  C2Y: 1  O2Y: -1  C2B: 1  C2W: 1  O2W: 1  C3Y: 1  O3Y: 1  C3B: 1  C3W: 1  O3W: -1  L1W: 1  L1Y: -1  L1B: -1  L2W: -1  L2Y: 1  L2B: -1  L3W: -1  L3Y: -1  L3B: 1 | 86 | 146 |
| Sammy 2 | python DPLL.py sammy.cnf O1W O2Y O3W L1W L2B L3B +UCH | O1Y: 1  C1Y: -1  C1B: 1  O1W: 1  C1W: -1  O2Y: -1  C2Y: -1  C2B: -1  O2W: 1  C2W: 1  O3Y: 1  C3Y: 1  C3B: -1  O3W: -1  C3W: -1  L1W: 1  L1B: -1  L1Y: 1  L2W: -1  L2B: 1  L2Y: 1  L3W: 1  L3Y: -1  L3B: 1 | 78 | 138 |
| Map color | python DPLL.py mapcolor.cnf +UCH | WAR: 1  WAG: -1  WAB: -1  NTR: -1  NTG: 1  NTB: -1  SAR: -1  SAG: -1  SAB: 1  QR: 1  QG: -1  QB: -1  NSWR: -1  NSWG: 1  NSWB: -1  VR: 1  VG: -1  VB: -1  TR: 1  TG: -1  TB: -1  +UCH: 1 | 36 | 36 |
| Map color 2 | python DPLL.py mapcolor.cnf WAR WAG +UCH | Unsatisfiable |  |  |
| 3 queens | python DPLL.py .\3queens.cnf +UCH | Unsatisfiable |  |  |
| 4 queens | python DPLL.py .\4queens.cnf +UCH | Q11: -1  Q12: 1  Q13: -1  Q14: -1  Q21: -1  Q31: 1  Q41: -1  Q22: -1  Q23: -1  Q24: 1  Q32: -1  Q42: -1  Q33: -1  Q34: -1  Q43: 1  Q44: -1 | 73 | 73 |
| 5 queens | python DPLL.py .\5queens.cnf +UCH | Q11: 1  Q12: -1  Q13: -1  Q14: -1  Q15: -1  Q21: -1  Q31: -1  Q41: -1  Q51: -1  Q22: -1  Q23: 1  Q24: -1  Q25: -1  Q32: -1  Q42: 1  Q52: -1  Q33: -1  Q34: -1  Q35: 1  Q43: -1  Q53: -1  Q44: -1  Q45: -1  Q54: 1  Q55: -1 | 46 | 46 |
| 6 queens | python DPLL.py .\6queens.cnf +UCH | Q11: -1  Q12: 1  Q13: -1  Q14: -1  Q15: -1  Q16: -1  Q21: -1  Q31: -1  Q41: 1  Q51: -1  Q61: -1  Q22: -1  Q23: -1  Q24: 1  Q25: -1  Q26: -1  Q32: -1  Q42: -1  Q52: -1  Q62: -1  Q33: -1  Q34: -1  Q35: -1  Q36: 1  Q43: -1  Q53: 1  Q63: -1  Q44: -1  Q45: -1  Q46: -1  Q54: -1  Q64: -1  Q55: -1  Q56: -1  Q65: 1  Q66: -1 | 1187 | 1187 |