### 1. Command Line Inputs:

python3 DPLL.py mapcolor.cnf +UCH -t transcripts/results\_mapcolor.UCH.txt

CNF File	mapcolor.cnf
Model Output:	Q_Blue V_Blue T_Blue SA_Green WA_Blue NT_Red NSW_Red
# of DPLL Calls, no UCH	36
# of DPLL Calls, with UCH	22

# 2. Command Line Inputs:

python3 DPLL.py mapcolor.cnf Q\_Green +UCH -t transcripts/results\_mapcolor2.txt

CNF File	mapcolor.cnf
Model Output:	Q_Green V_Green T_Blue SA_Blue WA_Green NT_Red NSW_Red
# of DPLL Calls, no UCH	171
# of DPLL Calls, with UCH	33

## 3. Command Line Inputs:

python3 DPLL.py mapcolor.cnf Q\_Green V\_Blue +UCH -t transcripts/results\_mapcolor3.UCH.txt

CNF File	mapcolor.cnf
Model Output:	- MODEL WAS UNSATISFIABLE -
# of DPLL Calls, no UCH	141
# of DPLL Calls, with UCH	17

### 4. Command Line Inputs:

python3 DPLL.py sammy.cnf O1Y O2W O3Y L1W L2Y L3B +UCH -t transcripts/results\_sammy\_scenarioA.UCH.txt

CNF File	sammy.cnf
Model Output:	C1B O1Y C2W O2W C3Y O3Y L2Y L1W L3B
# of DPLL Calls, no UCH	34
# of DPLL Calls, with UCH	19

### 5. Command Line Inputs:

python3 DPLL.py sammy.cnf O1W O2Y O3W L1W L2B L3B +UCH -t transcripts/results\_sammy\_scenarioB.UCH.txt

CNF File	sammy.cnf
Model Output:	C1B O1W C2Y O2Y C3W O3W L1W L2B L3B
# of DPLL Calls, no UCH	34
# of DPLL Calls, with UCH	19

# 6. Command Line Inputs:

python3 DPLL.py 3queens.cnf +UCH -t transcripts/3queens.UCH.txt

CNF File	3queens.cnf
Model Output:	- MODEL WAS UNSATISFIABLE -
# of DPLL Calls, no UCH	37
# of DPLL Calls, with UCH	25

### 7. Command Line Inputs:

python3 DPLL.py 4queens.cnf +UCH -t transcripts/4queens.UCH.txt

CNF File	4queens.cnf
Model Output:	Q12 Q24 Q31 Q43
# of DPLL Calls, no UCH	29
# of DPLL Calls, with UCH	17

# 8. Command Line Inputs:

python3 DPLL.py 5queens.cnf +UCH -t transcripts/5queens.UCH.txt

CNF File	5queens.cnf
Model Output:	Q12 Q24 Q31 Q43 Q55
# of DPLL Calls, no UCH	46
# of DPLL Calls, with UCH	26

### 9. Command Line Inputs:

python3 DPLL.py 6queens.cnf +UCH -t transcripts/6queens.UCH.txt

CNF File	6queens.cnf
Model Output:	Q12 Q24 Q36 Q41 Q53 Q65
# of DPLL Calls, no UCH	119
# of DPLL Calls, with UCH	47