LA8-6 A+ Search Algorithm for 8 queens def heuristic (stele) rows sum the if row>=8: for whin range (8): if safe (state, row, col): hee space = free space +1; return - free-space de f safe (state row, col): for r in rouge (row): c = State Cr7 it c== (01 ox ((-(01)=(r-10W): return Fale return Tre 1) Check if queen exists in save column 2) check it green is in save diagonal (hip left bottom mit)
3) check it green is in bottom left to top right

| Hill climb search Olganithin |
|---|
| |
| Place one green in each column |
| Court the number of conflicts between two greens |
| It hewistic is O, solution is tound |
| Storting with current sultion and its conflicts |
| generate neighbors by mixing each owen to difficult |
| generate neighbors by moving each queen to different tows in its colons |
| select neighbor with least conflicts, and lovest herestic |
| If no peighter improve the wrest state, the program |
| Jermindel. |
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| But it a garant. |
| [5 2,0,7,3,1,6,4] |
| 8. TH greative some all the concele land |
| diller station sext Alice size allile |
| Rob and Bad has a less brief destic |
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| 4. 6th exercise states that is even |
| povent their children on all of the |
| near that as endowed with a to |
| Valle man but to the terminal and and |
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| The same which is the same of |
| Part Period that Bed it and the field |
| and there |