

2. 8 queens problem wing A* dearch algorithm Step 1 Create con initial otate with all queen plant.

> Pritalize the open set & push the initial red. Onto it of tack explored states Step 2. main loop! (state) standouston > when noder are in the open ext? 1. pop the node with the lowest of value is goal state (no queun attacks each other.) y it is a goal state of return the current state I the state has already been visited, ship to the 1) Add the current state to vivited but Determine the next row to place a queen.

Generale new estates. by placing queens in each col of the next found queens in each colculate of h & f values & push it Step3: Display junction!

Call the junction to find a solution Solt is jourd display the board objective, sprint no solution exit