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| --- | --- | --- | --- |
| Searching Techniques | LEARNED | TEMPLATE | SOLVED PROBLEM |
| Binary Search |  |  |  |
| Ternary Search |  |  |  |
| Meet in the Middle |  |  |  |
| Numerical Method Techniques |  |  |  |

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| BACKTRACKING | LEARNED | TEMPLATE | SOLVED PROBLEM |
| N QUEEN |  |  |  |
| SODUKU |  |  |  |
| TILING problem |  |  |  |
| Knight’s Tour |  |  |  |
| 15 Puzzle |  |  |  |
| Permutation Generation |  |  |  |
| Combination Generation |  |  |  |
| Sum of Subset |  |  |  |

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| GAME THEORY | LEARNED | TEMPLATE | SOLVED PROBLEM |
| NIM |  |  |  |
| Sprague Grundy |  |  |  |
| Alpha Beta Pruning Minimax |  |  |  |
| Green Hackenbush/Colon Principle/Fusion Principle |  |  |  |