






# *SWC Test Problem List*

# Contents

-  BFS (8)
-  DFS (6)
-  Backtracking (11)
-  MST/ Shortest Distance (9)
-  Miscellaneous (15)



BFS (8)

# BFS

## *(Problem List)*

S.No	Problems from Web	Algo	Problem Location
1	336 A Node Too Far	BFS	Web
2	924 Spreading the News	BFS	Web
3	928 Eternal Truths	BFS	Web
4	10004 Bicoloring	BFS	Web
5	10067 Playing with Wheels	BFS	Web
6	10150 Doublets	BFS	Web
7	11352 Crazy King	BFS	Web
8	11624 Fire!	BFS	Web



DFS(6)

# DFS

## *(Problem List)*

S.No	Problems from Web	Algo	Problem Location
1	782 Contour Painting	DFS	Web
2	796 Critical Links	DFS	Web
3	842 Crossword Puzzles	DFS	Web
4	10305 Ordering Tasks	DFS	Web
5	10926 How Many Dependencies?	DFS	Web
6	11110 Equidivisions	DFS	Web



Backtracking(11)

# Backtracking (Recursion)

## *(Problem List)*

S.No	Problems from Web	Algo	Problem Location
1	193 Graph Coloring	Backtracking	Web
2	222 Budget Travel	Backtracking	Web
3	524 Prime Ring Problem	Backtracking	Web
4	624 CD	Backtracking	Web
5	1098 Robots on Ice	Backtracking	Web
6	10285 Longest Run on a Snowboard ***	Backtracking	Web
7	750 8 Queens Chess Problem	Backtracking	Web
8	604 The Boggle Game	Backtracking	Web
9	10422 Knights in FEN	Backtracking	Web
10	11283 Playing Boggle	Backtracking	Web
11	MKJUMPS - Making Jumps	Backtracking	Web





# MST/ Shortest Distance (9)

# Shortest Distance

*(Problem List)*

S.No	Problems from Web	Algo	Problem Location
1	558 Wormholes	Shortest Distance	Web
2	929 Number Maze	Shortest Distance	Web
3	10278 Fire Station	Shortest Distance	Web
4	10557 XYZZY	Shortest Distance	Web
5	10603 Fill	Shortest Distance	Web
6	10801 Lift Hopping	Shortest Distance	Web
7	11377 Airport Setup	Shortest Distance	Web
8	11492 Babel	Shortest Distance	Web
9	11635 Hotel booking	Shortest Distance	Web



# Miscellaneous (15)

# Miscellaneous

## (Problem List)

S.No	Problems from Web	Algo	Problem Location
1	154 Recycling	Miscellaneous	Web
2	216 Getting in Line	Miscellaneous	Web
3	357 Let Me Count The Ways	Miscellaneous	Web
4	369 Combinations	Miscellaneous	Web
5	416 LED Test	Miscellaneous	Web
6	441 Lotto	Miscellaneous	Web
7	574 Sum It Up	Miscellaneous	Web
8	604 The Boggle Game	Miscellaneous	Web
9	628 Passwords	Miscellaneous	Web
10	639 Don't Get Rooked	Miscellaneous	Web
11	725 Division	Miscellaneous	Web
12	729 The Hamming Distance Problem	Miscellaneous	Web
13	735 Dart-a-Mania	Miscellaneous	Web
14	750 8 Queens Chess Problem	Miscellaneous	Web
15	991 Safe Salutations	Miscellaneous	Web