

Topic No	Topic	Problems on ACM UVA web site <a href="#">1</a> <a href="#">2</a>	Other Problems
Topic 1	Binary Search	<a href="#">UVA 714</a> - Copying Books <a href="#">UVA 10077</a> - Stern-Brocot Number System <a href="#">UVA 10341</a> - Solve It <a href="#">UVA 10487</a> - Closest Sum <a href="#">UVA 10566</a> - Crossed Ladders <a href="#">UVA 10567</a> - Helping Fill Bates <a href="#">UVA 10611</a> - The Playboy Chimp	
Topic 2	BFS	<a href="#">UVA 567</a> - Risks <a href="#">UVA 336</a> - A node too far <a href="#">UVA 459</a> - Graph Connectivity <a href="#">UVA 532</a> - Dungeon Master <a href="#">UVA 10067</a> - Playing with Wheels <a href="#">UVA 10508</a> - Word Morphing <a href="#">UVA 439</a> - Knight Moves	<a href="#">UVA 652</a> - Eight <a href="#">UVA 589</a> - Pushing Boxes <a href="#">UVA 10000</a> - The Longest Cycle <a href="#">UVA 10259</a> - Hippiity Hopscotch
Topic 3	Exhaustive BFS (Part 1)	<a href="#">UVA 321</a> - The New Villa <a href="#">UVA 710</a> - The Game <a href="#">UVA 928</a> - Eternal Truths <a href="#">UVA 10047</a> - The Monocycle <a href="#">UVA 10085</a> - The Most Distant State <a href="#">UVA 10306</a> <a href="#">UVA 10426</a> - Knight's Nightmare <a href="#">UVA 10463</a> - Aztec Knights <a href="#">UVA 10477</a> - The Hybrid Knight <a href="#">UVA 10314</a> - Robot	
Topic 4	DFS	<a href="#">UVA 11518</a> Dominos 2 <a href="#">UVA 10926</a> How many dependencies? <a href="#">UVA 196</a> - Spreadsheet <a href="#">UVA 195</a> - Anagram <a href="#">UVA 208</a> - Firetruck <a href="#">UVA 215</a> - Spreadsheet Calculator <a href="#">UVA 291</a> - House of Santa Claus <a href="#">UVA 441</a> - Lotto <a href="#">UVA 523</a> - Prime Ring Problem <a href="#">UVA 539</a> - Sultan of Catan <a href="#">UVA 574</a> - Sum it up <a href="#">UVA 592</a> - Island of Logic <a href="#">UVA 695</a> - Placing the Ops	<a href="#">UVA 216</a> - Getting the line <a href="#">UVA 331</a> - Mapping the Swaps

Topic 5	Tree	<a href="#">UVA 112</a> - Tree Summing <a href="#">UVA 115</a> - Climbing Trees <a href="#">UVA 122</a> - Trees on the level <a href="#">UVA 536</a> - Tree Recovery <a href="#">UVA 548</a> - Tree <a href="#">UVA 615</a> - Is it a Tree <a href="#">UVA 679</a> - Dropping Balls <a href="#">UVA 699</a> - The Falling Leaves <a href="#">UVA 712</a> - S-Trees <a href="#">UVA 10303</a> - How many trees <a href="#">UVA 10701</a> - Pri,in,post <a href="#">UVA 10821</a> - Constructing BST <a href="#">UVA 11147</a> - kuPellaKeS BST	
Topic 6	Topological Sort	<a href="#">UVA 124</a> - Following Orders <a href="#">UVA 452</a> - Project Scheduling <a href="#">UVA 10305</a> - Ordering Tasks <a href="#">UVA 10917</a> - A Walk Through the Forest <a href="#">UVA 10926</a> - How Many Dependencies <a href="#">UVA 11060</a> - Beverages <a href="#">UVA 11174</a> - Stand in a line	
Topic 7	Strongly Connected Component	<a href="#">UVA 247</a> - Calling Circles <a href="#">UVA 10510</a> - Cactus <a href="#">UVA 11324</a> - The Largest Clique	
Topic 8	Articulation Point	<a href="#">UVA 315</a> - Network <a href="#">UVA 796</a> - Critical Links <a href="#">UVA 10199</a> - Tourist Guide <a href="#">UVA 10765</a> - Doves and Bombs <a href="#">UVA 10972</a> - RevolC FaeLoN	
Topic 9	Euler Path	<a href="#">UVA 117</a> - The Postal Worker Rings Once <a href="#">UVA 302</a> - John's Trip <a href="#">UVA 10054</a> - The Necklace <a href="#">UVA 10129</a> - Play on Words <a href="#">UVA 10441</a> - Catenyms <a href="#">UVA 10596</a> - Morning Walk <a href="#">UVA 10735</a> - Euler Circuit	
Topic 10	MST	<a href="#">UVA 908</a> - Re-connecting Computer Sites <a href="#">UVA 10034</a> - Freckles <a href="#">UVA 10147</a> - Highways	

		<a href="#">UVA 10307</a> - Killing Aliens in Borg Maze <a href="#">UVA 10369</a> - Arctic Network <a href="#">UVA 10397</a> - Connect the Campus <a href="#">UVA 10462</a> - Is there a second way left? <a href="#">UVA 10600</a> - ACM contest and Blackout <a href="#">UVA 10816</a> - Travel in Desert <a href="#">UVA 10842</a> - Traffic Flow <a href="#">UVA 11183</a> - Teen Girl Squad	
Topic 11	Dijkstra	<a href="#">UVA 423</a> - MPI Maelstrom <a href="#">UVA 523</a> - Minimum Transport Cost <a href="#">UVA 534</a> - Frogger <a href="#">UVA 544</a> - Heavy Cargo <a href="#">UVA 658</a> - It's not a Bug, it's a Feature! <a href="#">UVA 721</a> - Invitation Cards <a href="#">UVA 10039</a> - Railroads <a href="#">UVA 10048</a> - Audiophobia <a href="#">UVA 10068</a> - The Treasure Hunt <a href="#">UVA 10171</a> - Meeting Prof. Miguel <a href="#">UVA 10246</a> - Asterix and Obelix <a href="#">UVA 10330</a> - Power Transmission <a href="#">UVA 10342</a> - Always Late <a href="#">UVA 10354</a> - Avoiding Your Boss <a href="#">UVA 10356</a> - Rough Roads <a href="#">UVA 10389</a> - Subway <a href="#">UVA 10472</a> - Fastest vs. Cheapest <a href="#">UVA 10603</a> - Fill <a href="#">UVA 10740</a> - Not the Best <a href="#">UVA 10806</a> - Shortest cycle <a href="#">UVA 10986</a> - Sending EMail	<a href="#">UVA 318</a> - Domino Effect <a href="#">UVA 10099</a> <a href="#">UVA 10187</a> - From Dusk till Dawn <a href="#">UVA 10436</a> - Cheapest way
Topic 12	Bellman Ford	<a href="#">UVA 558</a> - Wormholes <a href="#">UVA 10449</a> - Traffic <a href="#">UVA 10557</a> - XZZY <a href="#">UVA 10806</a> - Dijkstra, Dijkstra.	
Topic 13	Warshall	<a href="#">UVA 125</a> - Numbering Paths <a href="#">UVA 677</a> - All walks of length n from the first node	
Topic 14	DP 1	<a href="#">UVA 147</a> - Dollars <a href="#">UVA 562</a> - Dividing Coins <a href="#">UVA 116</a> - Unidirectional TSP <a href="#">UVA 231</a> - Testing the Catcher	

		<a href="#">UVA 357</a> - Let me count the ways <a href="#">UVA 437</a> - Tower of Babylon <a href="#">UVA 497</a> - Strategic Defense Initiative <a href="#">UVA 531</a> - Compromise <a href="#">UVA 624</a> - CD <a href="#">UVA 674</a> - Coin Change <a href="#">UVA 10081</a> - Tight Words <a href="#">UVA 166</a> <a href="#">UVA 10324</a> <a href="#">UVA 10465</a> - Homer Simpson <a href="#">UVA 10684</a> - the Jackpot <a href="#">UVA 11310</a>	
Topic 15	DP 2	<a href="#">UVA 103</a> - Stacking Boxes <a href="#">UVA 108</a> - Maximum Sum <a href="#">UVA 164</a> - String Computer <a href="#">UVA 222</a> - Budget Travel <a href="#">UVA 348</a> - Optimal Array Multiplication Sequence <a href="#">UVA 607</a> - Scheduling Lectures <a href="#">UVA 662</a> - Fast Food <a href="#">UVA 672</a> - Gangsters <a href="#">UVA 10051</a> - Tower of Cubes <a href="#">UVA 10066</a> - The Twin Towers <a href="#">UVA 10069</a> - Distinct Subsequences <a href="#">UVA 10072</a> - Bob Laptop Woolmer and Eddie Desktop Barlow <a href="#">UVA 10086</a> - Test the Rods <a href="#">UVA 10118</a> - Free Candies <a href="#">UVA 10271</a> - Chopsticks <a href="#">UVA 10285</a> - Longest Run on a Snowboard <a href="#">UVA 323</a> <a href="#">UVA 585</a> <a href="#">UVA 714</a> - Copying Books <a href="#">UVA 757</a> - Gone Fishing <a href="#">UVA 970</a> <a href="#">UVA 10130</a> - Supersale <a href="#">UVA 10131</a> - Is Bigger or Smarter <a href="#">UVA 10154</a> - Weights and Measures <a href="#">UVA 10198</a> - Counting <a href="#">UVA 10201</a> - Adventures in Moving <a href="#">UVA 10243</a> - Fire fire fire <a href="#">UVA 10247</a> <a href="#">UVA 10207</a> <a href="#">UVA 10239</a> - Book Shelves	<a href="#">UVA 104</a> - Arbitrage

		<a href="#">UVA 10254</a> , 10444 <a href="#">UVA 10304</a> - Optimal Binary Search Tree <a href="#">UVA 10328</a> - Coin Toss <a href="#">UVA 10359</a> - Tiling <a href="#">UVA 10453</a> - Make Palindrome <a href="#">UVA 10454</a> - Trexpression <a href="#">UVA 10516</a> <a href="#">UVA 10532</a> <a href="#">UVA 10534</a> <a href="#">UVA 10541</a> <a href="#">UVA 10593</a> <a href="#">UVA 10597</a> <a href="#">UVA 10599</a> <a href="#">UVA 10616</a> <a href="#">UVA 10635</a> <a href="#">UVA 10692</a> - Huge Mod <a href="#">UVA 10722</a> <a href="#">UVA 10723</a> <a href="#">UVA 10819</a> <a href="#">UVA 10827</a> <a href="#">UVA 10874</a> <a href="#">UVA 11022</a> <a href="#">UVA 11031</a> <a href="#">UVA 11258</a> <a href="#">UVA 11284</a> <a href="#">UVA 11285</a> <a href="#">UVA 11361</a> <a href="#">UVA 11400</a> <a href="#">UVA 11405</a> <a href="#">UVA 11420</a>	
Topic 16	DP 3	882 <a href="#">UVA 10029</a> - Edit Step Ladders <a href="#">UVA 10091</a> - The Valentine's day <a href="#">UVA 10128</a> - Queue <a href="#">UVA 10149</a> - Yahtzee <a href="#">UVA 10157</a> - Expressions <a href="#">UVA 10529</a> - Dumb Bones <a href="#">UVA 10536</a> - Game of Euler <a href="#">UVA 10559</a> - Blocks <a href="#">UVA 10688</a> <a href="#">UVA 10743</a> - Blocks on Blocks <a href="#">UVA 10755</a> - Heap <a href="#">UVA 10826</a> - Hot or Cold <a href="#">UVA 10934</a>	

		<a href="#">UVA 11091</a> <a href="#">UVA 11125</a> - Arrange some Marbles (9D Dp) <a href="#">UVA 11162</a> - Independent Attacking Zones <a href="#">UVA 11176</a> <a href="#">UVA 11252</a> <a href="#">UVA 11259</a> <a href="#">UVA 11266</a> <a href="#">UVA 11365</a>	
Topic 17	Maximum Flow	<a href="#">UVA 563</a> - Crimewave <a href="#">UVA 820</a> - Internet Bandwidth <a href="#">UVA 10330</a> - Power Transmission <a href="#">UVA 10480</a> - Sabotage <a href="#">UVA 10511</a> - Councillings <a href="#">UVA 10546</a> - The Eagle's Nest <a href="#">UVA 10779</a> - Collector's Problem <a href="#">UVA 10983</a> - Buy one, get the rest free <a href="#">UVA 10989</a> - Bomb, Divide and Conquer <a href="#">UVA 11082</a> - Matrix Decompressing <a href="#">UVA 11146</a> - Insurrection <a href="#">UVA 11157</a> - Dynamic Frog <a href="#">UVA 11167</a> - Monkeys in the Emei Mountain <a href="#">UVA 11248</a> - Frequency Hopping <a href="#">UVA 11358</a> <a href="#">UVA 11380</a>	
Topic 18	Bipartite Matching	<a href="#">UVA 259</a> - Software Allocation <a href="#">UVA 663</a> - Sorting Slides <a href="#">UVA 670</a> - The dog task <a href="#">UVA 753</a> - A plug for UNIX <a href="#">UVA 10080</a> - Gopher II <a href="#">UVA 10092</a> - The Problem with the Problem Setter <a href="#">UVA 10804</a> - Gopher Strategy <a href="#">UVA 11045</a> - My T-Shirt suits me <a href="#">UVA 11080</a> - Place the Guards <a href="#">UVA 11419</a> - Sam I am	
Topic 19	Min Cost Flow (Part 1)	<a href="#">UVA 10594</a> - Data Flow <a href="#">UVA 11301</a> - Great Wall of China	
Topic 20	Weighted Matching	<a href="#">UVA 10746</a> - Crime Wave - The Sequel <a href="#">UVA 10888</a> - Warehouse	

		<a href="#">UVA 11381</a> - Elegant Strings	
Topic 21	Hard Problems (Part 1)	<a href="#">UVA 10243</a> - Fire! Fire!! Fire!!! <a href="#">UVA 10729</a> - Treeequivalence - Graph Isomorphism <a href="#">UVA 10308</a> - Roads in the North <a href="#">UVA 10859</a> - Placing Lampposts <a href="#">UVA 11090</a> - Going in Cycle!! <a href="#">UVA 10319</a> - Manhattan <a href="#">UVA 610</a> - Street Directions <a href="#">UVA 611</a> - Parallel Deadlocks <a href="#">UVA 656</a> - Optimal Programs	
Topic 22	Graph Coloring	<a href="#">UVA 193</a> - Graph Coloring <a href="#">UVA 10052</a> - Inviting Politicians <a href="#">UVA 10661</a> - The Perspectographer <a href="#">UVA 10822</a> - Planet of the Rock, Paper and Scissors <a href="#">UVA 11154</a> - An Octal World	
Topic 23	Grammar	<a href="#">UVA 134</a> - Loglan A Logical language <a href="#">UVA 171</a> - Car Trialling <a href="#">UVA 172</a> - Calculator Language <a href="#">UVA 384</a> - Slurpys <a href="#">UVA 464</a> - Sentence/Phrase Generator <a href="#">UVA 533</a> - Equation Solver <a href="#">UVA 621</a> - Secret Research	
Topic 24	IDA*	<a href="#">UVA 529</a> - Additional Chain <a href="#">UVA 851</a> - Maze <a href="#">UVA 10073</a> - Constrained Exchange Sort <a href="#">UVA 10181</a> - 15 Puzzle Problem <a href="#">UVA 10422</a> - Knights in FEN <a href="#">UVA 10798</a> - Be Wary of Roses <a href="#">UVA 11163</a> - Jaguar King <a href="#">UVA 11376</a> - Tilt	
Topic 25	Alpha-beta pruning	<a href="#">UVA 682</a> - Whoever picks the last one lose <a href="#">UVA 10111</a> - Find the Winning Move <a href="#">UVA 10838</a> - The Pawn Chess	
Topic 26	Hamiltonian Cycle	<a href="#">UVA 775</a> - Hamiltonian Cycle	

Topic 27	Stable Marriage	<a href="#">UVA 11119</a> - Chemical Attraction	
Topic 28	Vertex Cover	<a href="#">UVA 10161</a> - Servicing Stations <a href="#">UVA 11095</a> - Tabriz City	