

	PAGENO. DATE 4.2: Branch & Bound (Used for optimization problems) Uses BFS & Statespace Tree Types FFFO - Queue LIFO - Stack Least (ost
*	Traveling Salesmon Problem [O(2").O(n2)] ① Will be given a graph ② (reate its adjacency matrix 2 3 4 4 0
	3 Get lowest of each row & each col 3 Subtract it from its row col 5 The total of those : reduced cost (r) 6 Start with the BFS, start with the given point in Q. 7 Give each node a number along with its actual node no. 8 Move breadth wise finding lowest cost Nodes : Initial to final (Parent) child)
	Use Motrix of Parent Make the ini row = & & fincol = & & also (Topmost, finalchild) = & (heck if each row has one 0 & col If not repeat step @ & use it as r Formula = C(ini, fin) + r + r
	in further stage: C(ini, fin) + C(ini) + F Repeat

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*	15 Puzzle Problem [O(N!)]
	O Given a matrix with certain arrangement
	& a goal arrangement.
	2) We can move the blank space
	3 Count no. of errors at each of the 4
	@ Expand I branch the one with least errors.
	6 Repeat
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	Call the houses ! soon to lotal all (6)
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	- Chair + Carl and a Stage manufacture