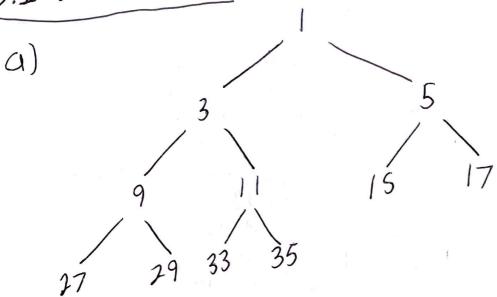
CS 4365 Assignment 1

0.1 Uninformed Jearch



- b) BFS: 1,3,5,7,9,11,15,17,27,29,33,35
- C) DF5: 1,3,9,27,29,11,33,35
- d) IDS: Odepth limit: 1
 - 1 topth 11m19: 1,3,5
 - 2 depth limit: 1, 3, 9, 11, 5, 15, 17
 - 3 depth 1/mlt: 1, 3, 4, 27, 29, 11, 33, 35
 - e) Yes because we can generate predecessors from X early, X's problem excessors would be the floor of X/3 or $\lfloor \frac{X}{3} \rfloor$. If we loce problem bid like the floor problem we would have an intersection bid like the local scarch for this problem we would have an intersection at note 11 why a BfS from the start state 1 and goal state at note 11 why a BfS from the start state 1 and goal state 35.

0.2 Informed Scarch

a)	expmodeol Shite	2-values	Snicessor states		
٠٠)	orade a Zeriva	0	Zenind (71), Sibin(181)		
	Grad	146	Arna (146) Sibiv(181) Sibv(181), Timisona (264), Sibv(286) Sibv(181), Timisona (264), Timisona (264)		
	Sirin	181			
b)	Rimnian Vilezy	231	(vaiova (377), Prixst (328), Fasos (250), Timisocci (260)		
	Fagarus	SIB	bricharesa (461)		
	Tinisona	Srv	Lugaj (354) crnicua(466), buchaesh (9201)		
	pitesti bucharest	328	Crai (180); .		
	expanded state	M-values			
	oradea	380	Zerinol (374), Sibin (253)		
	Sibin	253	Rimnich Vilcen (193), Ared (366)		
	Fagarns	176	suprappession, buchanest (0)		
	buchanest	0 -			
1 Comment Sugar States					

()	expanded states Oraclea Sibin	(151, 253, 404)	Zering (445), Sibin (404) Zering (445), Sibin (404) Rimnich VIII a (424), Arad (657)
	MAN SONO	KRAMPAN MARAMAN	CHARLES CONTRACTOR OF THE CONT
	Rimnich Vilceon	(231,195,424)	micro (SS7), Pitesti (428)
	Pitesti	(328,100,428)	(Allera (23), pulhouse
	buchanest	(429,0,429)	

