

190		Out of a	Pol		1							P	Page No.;	OPI
(%)	finding the path from 5 to 9 using Depth Rirst Search (DFS).									sto				
		-00	<u>acri</u>	- 11	D.F.S	· / · ·	į.		•	• 4	- A I	51.0		
	Generating Successors in order UP, LEFT, RIGHT, DOWN.									DOWN.				
		1	2	3	4	<u></u>		7	8	9	10	<i>J</i> 1		
	ı	17	16	15	14	13	12	1	10	9	CI			
	2	18	19	20	21	22	23	24	25	8	В			
	3	28	27	20	В	В	В	В	B	7	В	,		
	4	29	30	R	2	71.	3	4	5	6	B			
	5	3.2	31	936	181	5					B			
4	6	33	34	35		, ,	u .			ř.	В			
	7			B							B			
	8		B	·B	В	B	က	В	В	В	β	۹,	? def	
	9										-8		1 1201	
	G= Goal State B = Black Boxes S = Start state							(4)						
	The Goal node is generated at the 36th step.						tep.							
		18	· · · })	C	Ħ,	-)	2				· 9			
		10	1-	Ü		3 - 61	5				A			
	I H	120			A 4	<u>لى ل</u> • •					-			
	1912 11 2 3 2 2 1 1 2 1 2 2 2 2 2 2 2 2 2													
		CAL	-41		<u>J</u>					1,50	<u> </u>			
								ák:			4.5	()	. stel	
						7			ĺ.			The Town	TKAL	
		-		7 1 1			*						14	
			1 1		-			<u> </u>					-	1

Scanned With Camscanner

[PO	Page No.		Page No.: Date ; / /								
(4)											
- Cas	Breadth first Search (BFS)										
		12 10 1	1.11.2								
	Expanded node	frontier list									
	about This de called	{53									
	3	§А, В, С 3									
	A	ξB,C,D,E3									
<u></u>	B	\$ c, D, €, 4 }									
_	G	3 D, E, G, FF 9	181								
	6 6 9 1 A	SE.G. R.HY									
	E	SGFHY									
		S F H 4									
		100									
,	1.8	8									
·	Path, S, B, G	La la la la la									
·	Path cost: 8										
	TOWN COST O										
		Stati u	-								
(b)	Uniform Cost Search (UC	F)									
		Street Street									
	Expanded Node	Frontier list									
-		{ S }									
. 59.2	B C Starting	3B=2, C=4, A	=53-								
<u></u>	В	3 c24, A=5, q=	· 8}								
<u>-</u>	C	\$A=5, F=6, G=8} \$f=6, G=8, E=9, D=14}									
	Α	Sf=6, 428, E=9,	D=143								
	F	1927, 928, E29, D	2147								
	G	{ G=7, G=8, E=9, D 2 G=8, E=9, D=	144								
<u>, ~ </u>	Parls SCF. 4										
	Path: S, C, F, G Path-cost = 7:										
	1441-4012										
2 P											
3											

Scanned with Camscanner

		Date: / /
(0)	Iterative Deepening se	arch (IDS)
	Expanded Node	Frontier list
		£ 5 }
	S	? А, В, С Э 2 В, С 3
	A	2 B, C3
	В	\$ c 3
	С	{ }
	S	\$ A, B, C }
	A	{b, E, B, c }
	D	\$A,B,C} {b,E,B,C} \$E,AB} \$B,C}
	E	5 B, c 3
	В	{ c, c }
	G	2 c3
	Park Co. a	
	14th: 5, 8, 4	!
	Path: 5, B, G Path-cost: 8.	
	~	