- Children and American	ACCOUNT OF THE PARTY OF THE PAR	17
(====================================	Page	<u> </u>
Date:	Depth first search	Progra
EX: 02	0.0103	graph
Alm: To	3,0,0,07	
T6 10	aplement Depth first	mellorg p
H Nayon using	python:	(320
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and lieu on sylve	
Algorithm:	Hubant tring	
ı. sta	outile courter	
2. In	tialize graph as an	+40x0xx+ 33 0
adjacency e	ixt. (dictionary).	deb
3. Och	ine DFS function:	
	· input: graph, node, VISITED SH	and the second
4. chea	ic to the node is in the visited	Call
set.	No Things By Constant of the C	
• ¿t	not, proceed to the next step	
	ork the nocle cas visited.	visit
	nt the node.	Star
	terate through each neighbour	print
Ob the nod	e: 1000 100	d481
	if the neighbour is not visited	aus me mark
	call DFS for the neighbor	out
	ce the starting node as input	Ent
from the c	Dell'	PES
tares of	tialize an empty set to reep	
	u the DFS function with	-
araph sta	riting node & visited set	Res
11. SADO	Di Turi di Vizita	
		72

0	Page Date
	Program: saraw) 270
	goaph= ξ 'A': Γ'B'; 'C']
	'B': ['A', 'D', 'E'],
	moloro pur motoric' macia, Fiz
	CRO PARTITOR' D' TELE 'B'D, ON PARTITURE
	'E': C'B', 'F'],
	'F':['C', 'E']
	3 in the material
	1) Charles Representation: to Terrount
	des des (graph, node, visited):
	if node not in visited:
red set	print (node, end = 11)
isited	visited add (node)
(33)/3	for neighbor in greeph [node]!
step.	dfs (graph, neighbor, visited)
	visited = set()
bol UT	start node = input (" enter a Letter")
56W1	print ("DFs starting from node", start node,":")
Steed,	des graph, start node, visited).
51 1-00-1	ar no mark netall king x
out	output:
	Enten a Lotten: A
ceep	PFS starting from node A:
	A BOBARC.
	and the man of the point of the
(8)	DI MANUELLE
	Result:
	Python program for Depth first
	rearch is implemented successfully.