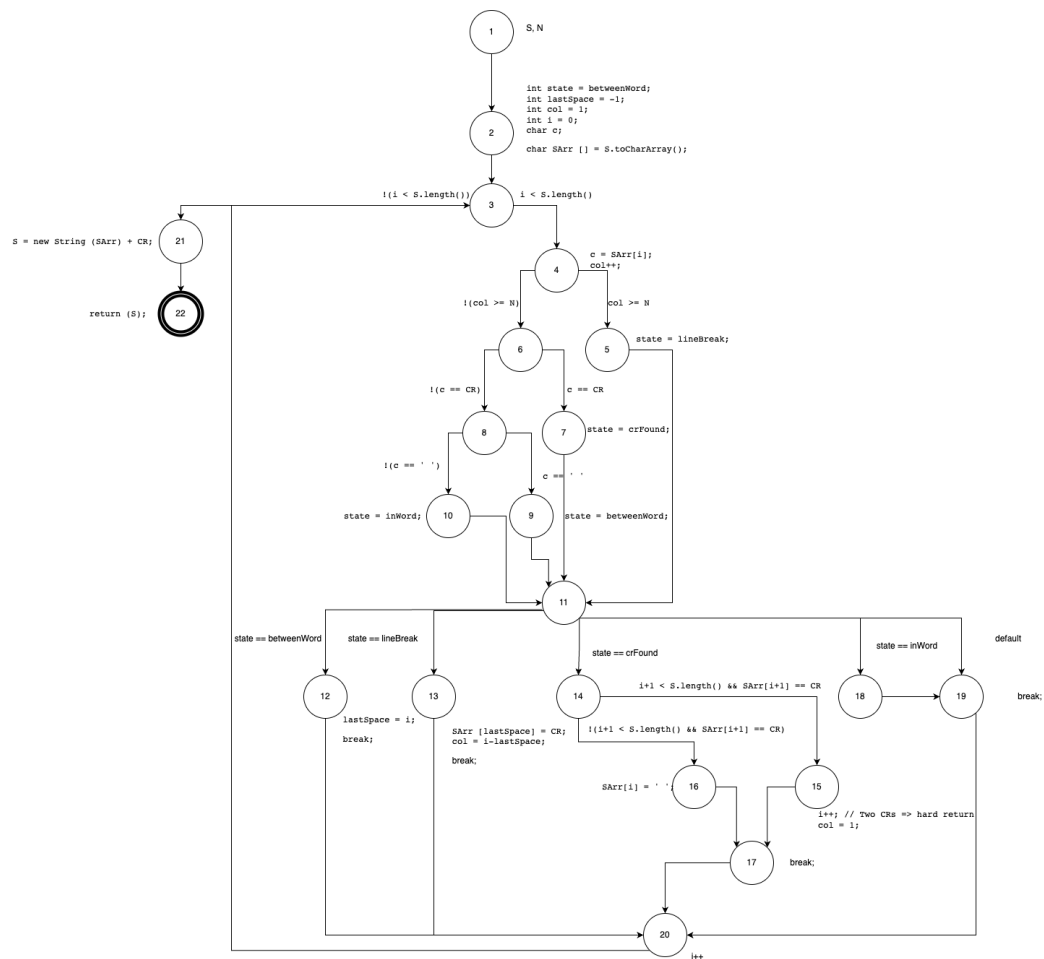


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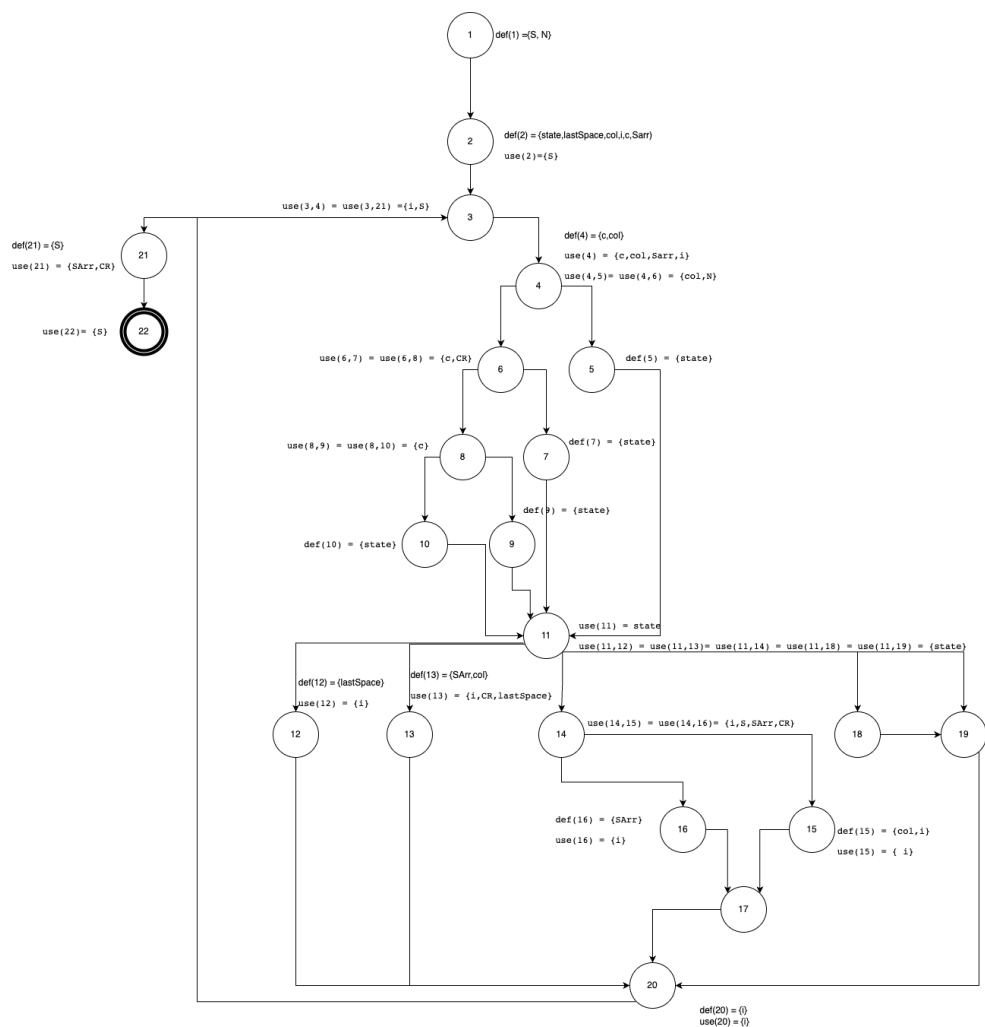
Домашна задача бр.2

Давид Атанасоски 201202

Графот кој го претставува податочниот тек е следниот:



Графот со обележани сите дефиниции и употреби (def-use, du-pairs) на соодветните променливи е даден како:



Според дадениот граф, во табелата подолу дадени се сите def и use за секој јазол посебно:

node	def	use
1	{S,N}	
2	{state, lastSpace, col, i, c, Sarr}	{S}
3		
4	{c,col}	{c,col,Sarr,i}
5	{state}	
6		
7	{state}	
8		
9	{state}	
10	{state}	
11		{state}
12	{lastSpace}	{i}
13	{Sarr,col}	{i,CR,lastSpace}

14		
15	{col,i}	{i}
16	{SArr}	{i}
17		
18		
19		
20	{i}	{i}
21	{S}	{SArr,CR}
22		{S}

Според дадениот граф, во табелата подолу дадени се сите def и use за секој раб посебно:

edge	use
(1,2)	
(2,3)	
(3,4)	{i,S}
(3,21)	{i,S}
(4,5)	{col,N}
(4,6)	{col,N}
(5,11)	
(6,7)	{c,CR}
(6,8)	{c,CR}
(7,11)	
(8,9)	{c}
(8,10)	{c}
(9,11)	
(10,11)	
(11,12)	{state}
(11,13)	{state}
(11,14)	{state}
(11,18)	{state}
(11,19)	{state}
(12,20)	
(13,20)	
(14,15)	{i,S,SArr,CR}
(14,16)	{i,S,SArr,CR}
(15,17)	
(16,17)	
(17,20)	
(18,19)	
(19,20)	
(20,3)	

(21,22)	
---------	--

Variable	Du-Paths
S	[1,2,3,21,22]
2	[1,2,3,4,5,11,12,20,3,21,22]
3	[1,2,3,4,5,11,14,16,17,20,3,21,22]
4	[1,2,3,4,5,11,14,15,17,20,3,21,22]
5	[1,2,3,4,6,7,11,14,15,17,20,3,21,22]
6	[1,2,3,4,6,7,11,14,16,17,20,3,21,22]
7	[1,2,3,4,6,8,10,11,14,15,17,20,3,21,22]
8	[1,2,3,4,6,8,10,11,14,16,17,20,3,21,22]
9	[1,2,3,4,6,8,9,11,14,15,17,20,3,21,22]
10	[1,2,3,4,6,8,9,11,14,16,17,20,3,21,22]
	[1,2,3,21,22] --
N	[1,2,3,4,6,7,11,12,20,3,21,22]
	[1,2,3,4,5,11,12,20,3,21,22] --

Конечни тест патишта

Test case (String S, int N)	Test path
(Hello, 5)	[1,2,3,21,22]
(abc, 5)	[1,2,3,4,5,11,12,20,3,21,22]
(hello world, 11)	[1,2,3,4,5,11,14,16,17,20,3,21,22]
(the quick brown fox,20)	[1,2,3,4,5,11,14,15,17,20,3,21,22]
(hello world, 12)	[1,2,3,4,6,7,11,14,15,17,20,3,21,22]
(string,3)	[1,2,3,4,6,7,11,14,16,17,20,3,21,22]
(hello world, 3)	[1,2,3,4,6,8,10,11,14,15,17,20,3,21,22]
(aa bb cc, 3)	[1,2,3,4,6,8,10,11,14,16,17,20,3,21,22]
(test, 10)	[1,2,3,4,6,8,10,11,14,16,17,20,3,21,22]
(hello world, 10)	[1,2,3,4,6,8,9,11,14,15,17,20,3,21,22]
(hello, 6)	[1,2,3,4,6,8,9,11,14,16,17,20,3,21,22]
(Hello, World!,5)	[1,2,3,4,6,7,11,12,20,3,21,22]