Tist-of-predecessors. 0:[0] 1:[1,2,3] 2:[2,3,5] 3:[2,5] 5:[1] Starting vestex 1=1 Endvestex v= 2 Sowest Tenght seth: [1,4,2] sredeccessors visited gueue IJ [3,5] [2] §2:0,3:1,4:1} §3:2, 4:2} [2, 3, 5] [4] {2:0, 3:1, 4:1} {3:2, 4:2} [2, 3, 4] \$1:2,2:0,3:1, \\ 1:4, 3:2, 4:2} [2,3,4,1] T17 [1] IJ[1,5] [1,4,2] The path in built from the predecessors dictionary, l'he sath is vuil of leggining with s=1! predeccessors[1]=5

predeccessors[5]=2= end =s path: 1, 4,2 The Tenght is dist[s]=2

tist of predeccessors:

1:[0,1]

2:[1,3]

3: [2,4]

5:[0,1,2]

For the starting verstex=0, emel=3, the lower length

			_ / /,	1 lenghy	<i>t</i> - 2	
Step	X	gueue	visited			
0		[3]	[]	3:0}	predecessor	1) soth
1	3	[3,2,4]	[3]		753	
	2	In a control	[3, 2, 4]	1,2.0, 5.0, 5.1	S2:3, 4:3}	
2	2	[3,2,5,1]	[3,2,5,1]	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	§112, 213, 513}	
3	4	[4,1]	[3,2,4,1,0]	(0:2, 1:2, 2:1,	So.15, 1.12, 2.13, 5.13}	
		[4,1,0]		3:0, 4:1})	
5	1	[1,0]	[3,2,4,1,0]	{0:2,1:2,2:1,	50:5, 1:2, 2:3, 5:3}	
5	0	[0]		3:0, 5:1}		and the second
		[]				[0]
		·	'			[0,4]

The path is built from the predecessors dictionery, beggining with s=0.

Predeccessor [0]=5, Predeccessor [5] = 3 = end

The Tenght in equal to dist [start] = 2