

Injut file:	5	7
	0	1
	0	4
	(2
	l	3
	l	4
	2	3
	3	4

Theration	position	path	swirent_virtex	previous_vertex	
init		[0,-1,-1,-1]			
11.1	1		1	00	
				-1 => break;	
		[0,1,-1,-1]		edge (0,1) in graph or is - safe = True	
12.1	2		1	0	
				> 1 → in_safe=Table	
I minimum					

T STATE OF THE PARTY OF THE PAR	Heration	position	path	current_verte	x previous_vertex
	12.2	2	[0,1,-1,-1,-1]	2	
and the second second					1-1-5 break
Contract of the last					>> 1 true
A STATE OF STATE STATE OF STATE STATE OF STATE S					eloge (2,1) in graph => is-rafe = True
A STATE OF THE PERSON NAMED IN	2		[0,1,2,-1,-1]		
	13.1	3	[0,1,2,-1,-1]	0	
	13.2			1) O=) is_sofe=False
	13.3) 1 => is-rofe=Falx
				2	0
	13.4				2 Dio-10 gle False
				3	0
					2 -1=> break
				1	>) There

Iteration	position	podh	surrent - verte	x previous_vertex
13.4	3	[0,1,2,-1,-1]	3	edge (3 3) in along
				edge (3,2) in graph sis-safe = True
		0,1,2,3,-1]		
14.1	4	0,1,2,3,-1]	0	0 > is_rafe=False
14.2			1	
			2	1 => is-rofe=False
14.4				2 => is_rok=False
	and the second s		3	
				2
				33 >> is-nefr= Falk

Iteration	position	path	surrent - vertex	previous - vertex	
14.5	4	[0,1,2,3,-1]	4	0	
				1	
				3	
				-1-sblok=sTrue	
				edge (9,3) in gloch	
		0,1,2,3,4]		=> is-rofe = True	
15.1	5 [[position =	0,1,2,3,4]			
	ne_ rusticus;				
	edge (4,0) in graph=) True				
At this point all previous recursive calls of < find _ hemiltonion _ cycle_util > will return _ True.					
The path [0,1,2,3,4] will be returned, to which we spend the first volters [0,1,2,3,4,0]					

path [0,1,2,3,4] will be returned, to which we opened the first votters [0,1,2,3,4,0]