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Jurusan : Sistem Informasi

Mata Kuliah : Algorithms and Programming

SubBab 5.7 No 1A dan 1C

1. Untuk soal-soal berikut ini diasumsikan:

- A adalah array matriks yang berukuran 3×3 dan berisi bilangan integer.

- B adalah array linier yang berisi 6 bilangan integer.

- I dan J adalah variabel integer

Tuliskan isi array setelah potongan algoritma berikut ini:

a)

- 1. For (I = 0; I < 3; I++)
- 2. { For (J = 0; J < 3; J++)
- 3. $\{A[I][J] = I + J$
- 4. Write (A[I] [J])} }

step	1	J	A[0][0]	A[0][1]	A[0][2]	A[1][0]	A[1][1]	A[1][2]	A[2][0]	A[2][1]	A[2][2]	K1	K2	output
1	0											true		
2	0	0											true	
3	0	0	0											
4	0	0	0											0
2	0	1	0										true	
3	0	1	0	1										
4	0	1	0	1										1
2	0	2	0	1									true	
3	0	2	0	1	2									
4	0	2	0	1	2									2
1	1		0	1	2							true		
2	1	0	0	1	2								true	
3	1	0	0	1	2	1								
4	1	0	0	1	2	1								1
2	1	1	0	1	2	1							true	
3	1	1	0	1	2	1	2							
4	1	1	0	1	2	1	2							2

2	1	2	0	1	2	1	2						true	
3	1	2	0	1	2	1	2	3						
4	1	2	0	1	2	1	2	3						3
1	2		0	1	2	1	2	3				true		
2	2	0	0	1	2	1	2	3					true	
3	2	0	0	1	2	1	2	3	2					
4	2	0	0	1	2	1	2	3	2					2
2	2	1	0	1	2	1	2	3	2				true	
3	2	1	0	1	2	1	2	3	2	3				
4	2	1	0	1	2	1	2	3	2	3				3
2	2	2	0	1	2	1	2	3	2	3			true	
3	2	2	0	1	2	1	2	3	2	3	4			
4	2	2	0	1	2	1	2	3	2	3	4			4

step			A[0][0]	A[0][1]	A[0][2]	A[1][0]	A[1][1]	A[1][2]	A[2][0]	A[2][1]	A[2][2]	For1	For2	l < J	l = = J	output
1	0											true				
2	0	0											true			
3	0	0												false		
5	0	0													true	
6	0	0	0													
8	0	0	0													0
2	0	1	0										true			
3	0	1	0											true		
4	0	1	0	-1												
2	0	2	0	-1									true			
3	0	2	0	-1										true		

4	0	3	0	-1	-1											
1	1		0	-1	-1							true				
2	1	0	0	-1	-1								true			
3	1	0	0	-1	-1									false		
5	1	0	0	-1	-1										false	
7	1	0	0	-1	-1	1										
8	1	0	0	-1	-1	1										1
2	1	1	0	-1	-1	1							true			
3	1	1	0	-1	-1	1								false		
5	1	1	0	-1	-1	1									true	
6	1	1	0	-1	-1	1	0									
8	1	1	0	-1	-1	1	0									0
2	1	2	0	-1	-1	1	0						true			
3	1	2	0	-1	-1	1	0							true		
4	1	2	0	-1	-1	1	0	-1								
1	2		0	-1	-1	1	0	-1				true				
2	2	0	0	-1	-1	1	0	-1					true			
3	2	0	0	-1	-1	1	0	-1						false		
5	2	0	0	-1	-1	1	0	-1							false	
7	2	0	0	-1	-1	1	0	-1	1							
8	2	0	0	-1	-1	1	0	-1	1							1
2	2	1	0	-1	-1	1	0	-1	1				true			
3	2	1	0	-1	-1	1	0	-1	1					false		
5	2	1	0	-1	-1	1	0	-1	1						false	
7	2	1	0	-1	-1	1	0	-1	1	1						
8	2	1	0	-1	-1	1	0	-1	1	1						1
2	2	2	0	-1	-1	1	0	-1	1	1			true			
3	2	2	0	-1	-1	1	0	-1	1	1				false		
5	2	2	0	-1	-1	1	0	-1	1	1					true	
6	2	2	0	-1	-1	1	0	-1	1	1	0					
8	2	2	0	-1	-1	1	0	-1	1	1	0					0
																·