

Binärer Quicksort



universität
wien

[illegible]

Binärer Quicksort

0	0	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	1	0
0	0	0	0
1	1	1	1
0	0	0	1
1	1	1	0

0	0	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	1	0
0	0	0	0
1	1	1	1
0	0	0	1
1	1	1	0

0	0	1	1
0	0	0	1
0	1	0	1
0	0	0	0
0	1	1	0

0	0	1	1
0	0	0	1
0	0	0	0
0	1	0	1
0	1	1	0

universität
wien

The image shows a 10x10 grid with a 4x4 grid of 1s in the top-left corner. Four 2x2 subgrids of 1s are highlighted with black borders. The subgrids are located at (row, col) coordinates: (2,2)-(3,3), (4,4)-(5,5), (6,6)-(7,7), and (8,8)-(9,9).

[illegible]

0	0	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	1	0
0	0	0	0
1	1	1	1
0	0	0	1
1	1	1	0

0	0	1	1
0	0	0	1
0	1	0	1
0	0	0	0
0	1	1	0
1	0	0	1
1	1	1	1
1	0	1	0
1	1	1	0

0	0	1	1
0	0	0	1
0	0	0	0
0	1	0	1
0	1	1	0

0	0	0	0
0	0	0	1
0	0	1	1

0	0	0	0
0	0	0	1

universität
wien

The image shows a 10x10 grid with the following subgrids highlighted by black borders:

- A 4x4 subgrid in the top-left corner (rows 1-4, columns 1-4).
- A 4x4 subgrid in the top-middle (rows 1-4, columns 5-8).
- A 4x4 subgrid in the top-right (rows 1-4, columns 9-12).
- A 4x4 subgrid in the middle-left (rows 5-8, columns 1-4).
- A 4x4 subgrid in the middle-middle (rows 5-8, columns 5-8).
- A 4x4 subgrid in the middle-right (rows 5-8, columns 9-12).
- A 4x4 subgrid in the bottom-left (rows 9-12, columns 1-4).
- A 4x4 subgrid in the bottom-middle (rows 9-12, columns 5-8).
- A 4x4 subgrid in the bottom-right (rows 9-12, columns 9-12).

An arrow points to the cell at row 6, column 9, which contains the number 1 and is highlighted in orange.

0	0	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	1	0
0	0	0	0
1	1	1	1
0	0	0	1
1	1	1	0

0	0	1	1
0	0	0	1
0	1	0	1
0	0	0	0
0	1	1	0
1	0	0	1
1	1	1	1
1	0	1	0
1	1	1	0

0	0	1	1
0	0	0	1
0	0	0	0
0	1	0	1
0	1	1	0

0	0	0	0
0	0	0	1
0	0	1	1

0	0	0	0
0	0	0	1
0	0	1	1

universität
wien

0	0	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	1	0
0	0	0	0
1	1	1	1
0	0	0	1
1	1	1	0

0	0	1	1
0	0	0	1
0	1	0	1
0	0	0	0
0	1	1	0
1	0	0	1
1	1	1	1
1	0	1	0
1	1	1	0

0	0	1	1
0	0	0	1
0	0	0	0
0	1	0	1
0	1	1	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

0	0	0	0
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

0	0	0	0
0	0	0	1
0	0	1	1
0	0	0	0
0	0	1	1
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

universität
wien

0	0	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	1	0
0	0	0	0
1	1	1	1
0	0	0	1
1	1	1	0

0	0	1	1
0	0	0	1
0	1	0	1
0	0	0	0
0	1	1	0
1	0	0	1
1	1	1	1
1	0	1	0
1	1	1	0

0	0	1	1
0	0	0	1
0	0	0	0
0	1	0	1
0	1	1	0

0	0	0	0
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0

0	0	0	0
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0

universität
wien

[illegible]

0	0	1	1		0	0	1	1		0	0	1	1		0	0	0	0		0	0	0	0
1	0	1	0		0	0	0	1		0	0	0	1		0	0	0	1		0	0	0	1
0	1	0	1		0	1	0	1		0	0	0	0		0	0	1	1		0	0	1	1
1	0	0	1		0	0	0	0		0	1	0	1		0	1	0	1		0	1	0	1
0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0
0	0	0	0		1	0	0	1		1	0	0	1		1	0	0	1		1	0	0	1
1	1	1	1		1	1	1	1		1	0	1	0		1	0	1	0		1	0	1	0
0	0	0	1		1	0	1	0		1	1	1	1		1	1	1	1		1	1	1	0
1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	0

0	0	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	1	0
0	0	0	0
1	1	1	1
0	0	0	1
1	1	1	0

0	0	1	1
0	0	0	1
0	1	0	1
0	0	0	0
0	1	1	0
1	0	0	1
1	1	1	1
1	0	1	0
1	1	1	0

0	0	1	1
0	0	0	1
0	0	0	0
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	1	1
1	1	1	0

0	0	0	0
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0

0	0	0	0
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0

0	0	1	1
1	0	1	0
0	1	0	1
1	0	0	1
0	1	1	0
0	0	0	0
1	1	1	1
0	0	0	1
1	1	1	0

0	0	1	1
0	0	0	1
0	1	0	1
0	0	0	0
0	1	1	0
1	0	0	1
1	1	1	1
1	0	1	0
1	1	1	0

0	0	1	1
0	0	0	1
0	0	0	0
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	1	1
1	1	1	0

0	0	0	0
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0

0	0	0	0
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0

0	0	1	1		0	0	1	1		0	0	1	1		0	0	0	0		0	0	0	0
1	0	1	0		0	0	0	1		0	0	0	1		0	0	0	1		0	0	0	1
0	1	0	1		0	1	0	1		0	0	0	0		0	0	1	1		0	0	1	1
1	0	0	1		0	0	0	0		0	1	0	1		0	1	0	1		0	1	0	1
0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0
0	0	0	0		1	0	0	1		1	0	0	1		1	0	0	1		1	0	0	1
1	1	1	1		1	1	1	1		1	0	1	0		1	0	1	0		1	0	1	0
0	0	0	1		1	0	1	0		1	1	1	1		1	1	1	1					
1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	0					

Binärer Quicksort



universität
wien

0	0	1	1		0	0	1	1		0	0	1	1		0	0	0	0	
1	0	1	0		0	0	0	1		0	0	0	1		0	0	0	1	
0	1	0	1		0	1	0	1		0	0	0	0		0	0	1	1	
1	0	0	1		0	0	0	0		0	1	0	1		0	1	0	1	
0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0	
0	0	0	0		1	0	0	1		1	0	0	1		1	0	0	1	
1	1	1	1		1	1	1	1		1	0	1	0		1	0	1	0	
0	0	0	1		1	0	1	0		1	1	1	1		1	1	1	1	
1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	0	

Binärer Quicksort



universität
wien

0	0	1	1		0	0	1	1		0	0	1	1		0	0	0	0		0	0	0	0
1	0	1	0		0	0	0	1		0	0	0	1		0	0	0	1		0	0	0	1
0	1	0	1		0	1	0	1		0	0	0	0		0	0	1	1		0	0	1	1
1	0	0	1		0	0	0	0		0	1	0	1		0	1	0	1		0	1	0	1
0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0
0	0	0	0		1	0	0	1		1	0	0	1		1	0	0	1		1	0	0	1
1	1	1	1		1	1	1	1		1	0	1	0		1	0	1	0		1	0	1	0
0	0	0	1		1	0	1	0		1	1	1	1		1	1	1	1		1	1	1	0
1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	1

Binärer Quicksort



0	0	1	1		0	0	1	1		0	0	1	1		0	0	0	0	
1	0	1	0		0	0	0	1		0	0	0	1		0	0	0	1	
0	1	0	1		0	1	0	1		0	0	0	0		0	0	1	1	
1	0	0	1		0	0	0	0		0	1	0	1		0	1	0	1	
0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0	
0	0	0	0		1	0	0	1		1	0	0	1		1	0	0	1	
1	1	1	1		1	1	1	1		1	0	1	0		1	0	1	0	
0	0	0	1		1	0	1	0		1	1	1	1		1	1	1	0	
1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	1	

Binärer Quicksort



0	0	1	1		0	0	1	1		0	0	1	1		0	0	0	0		0	0	0	0
1	0	1	0		0	0	0	1		0	0	0	1		0	0	0	1		0	0	0	1
0	1	0	1		0	1	0	1		0	0	0	0		0	0	1	1		0	0	1	1
1	0	0	1		0	0	0	0		0	1	0	1		0	1	0	1		0	1	0	1
0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0		0	1	1	0
0	0	0	0		1	0	0	1		1	0	0	1		1	0	0	1		1	0	0	1
1	1	1	1		1	1	1	1		1	0	1	0		1	0	1	0		1	0	1	0
0	0	0	1		1	0	1	0		1	1	1	1		1	1	1	1		1	1	1	0
1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	0		1	1	1	1