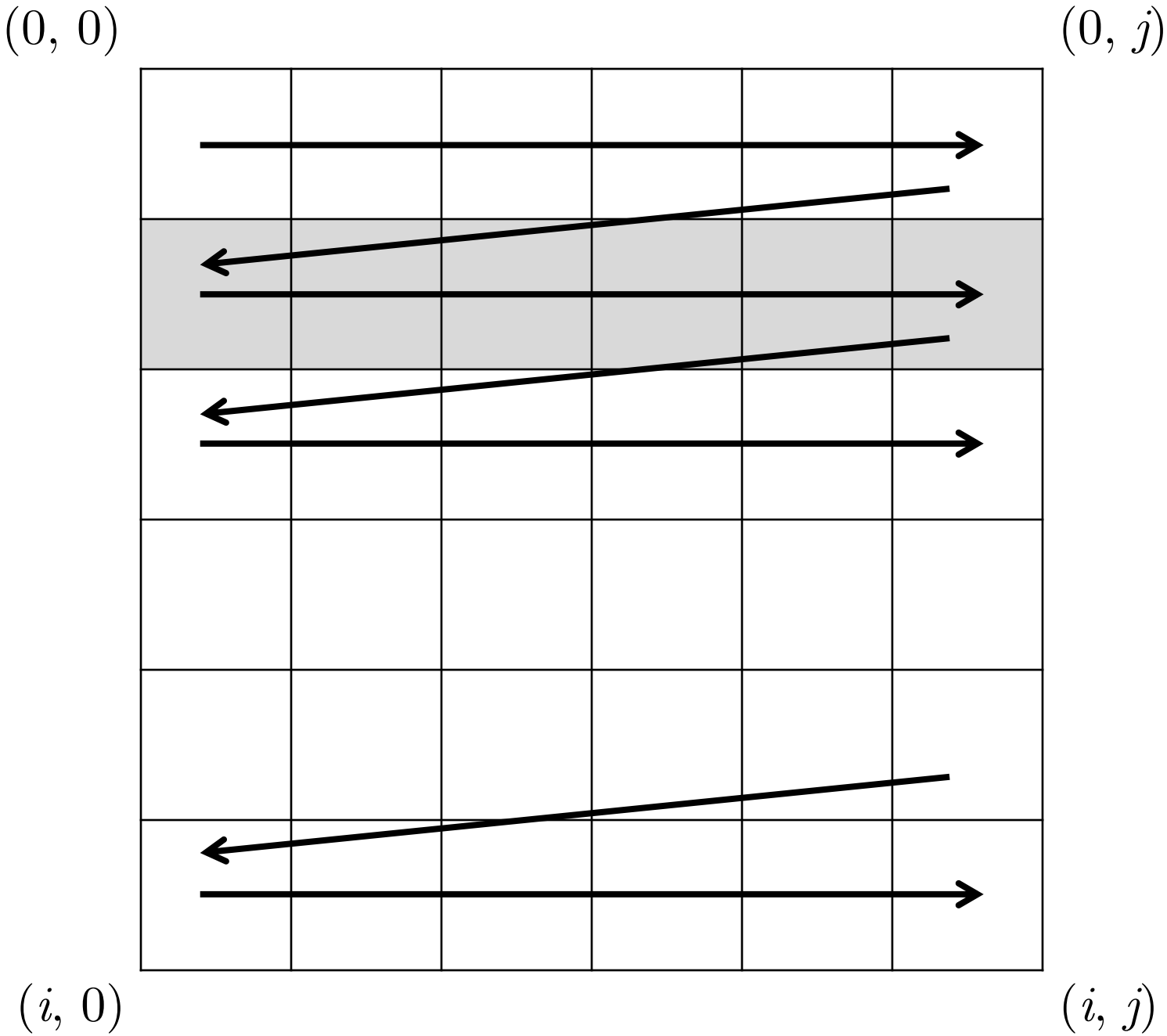
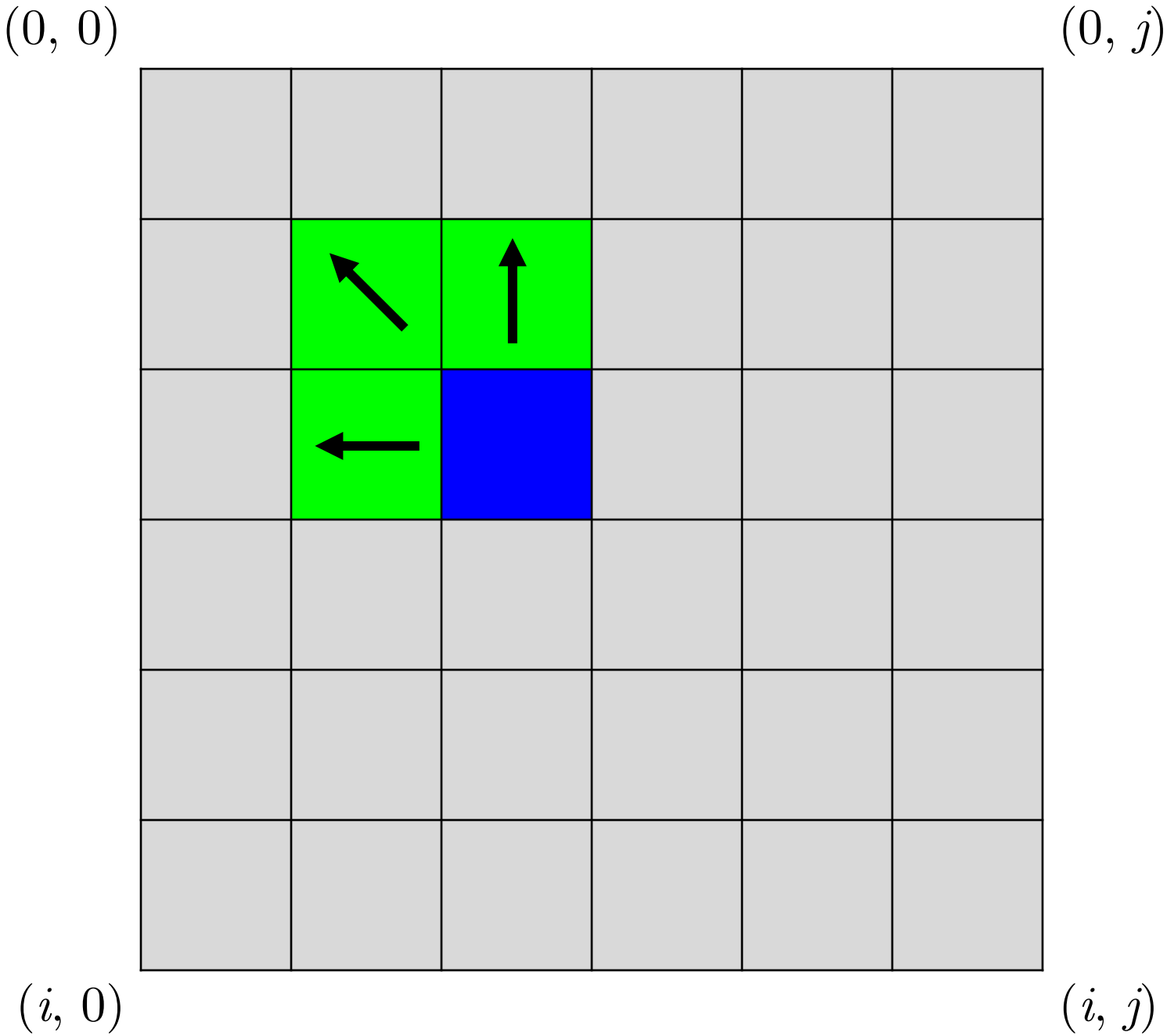
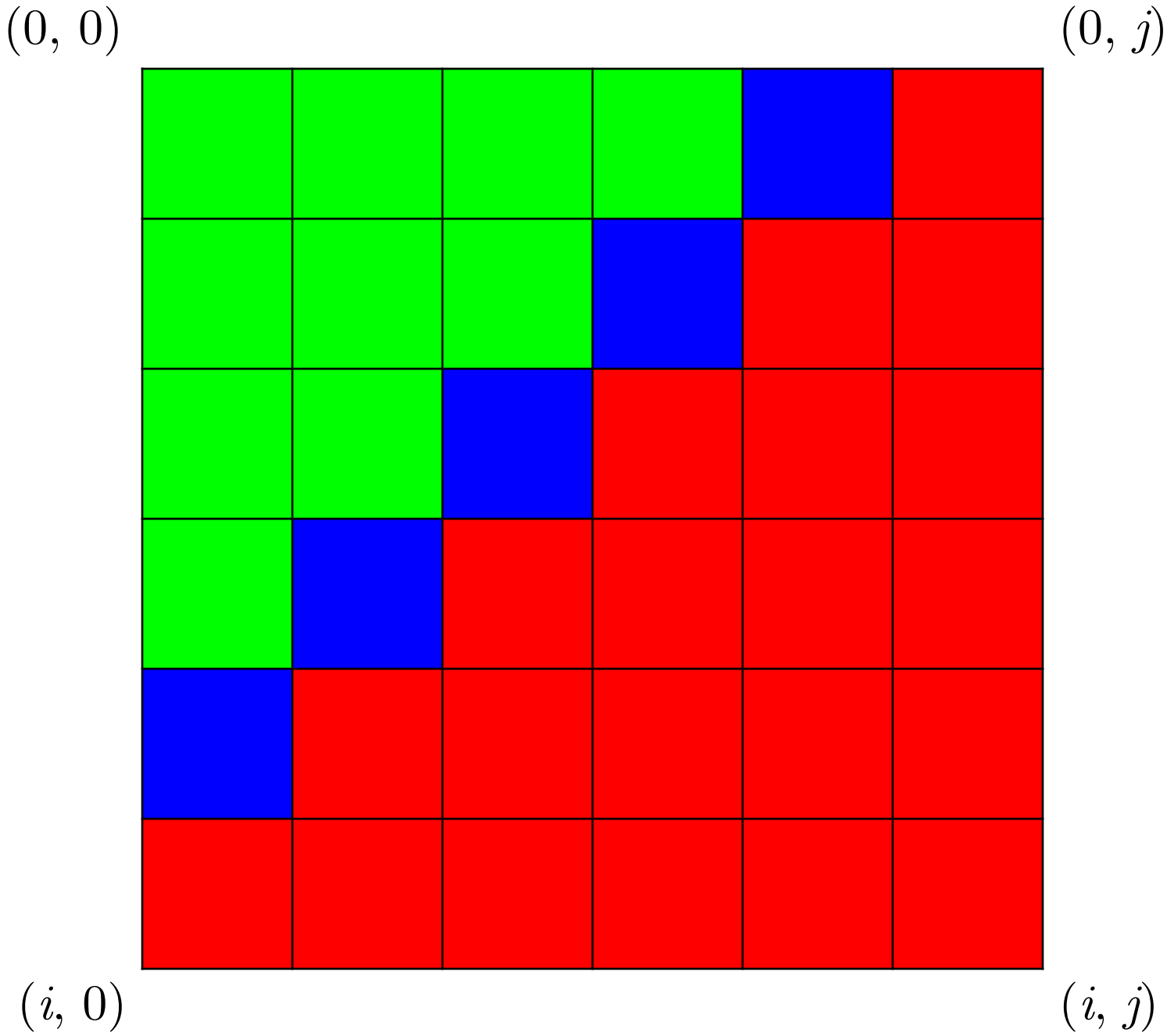
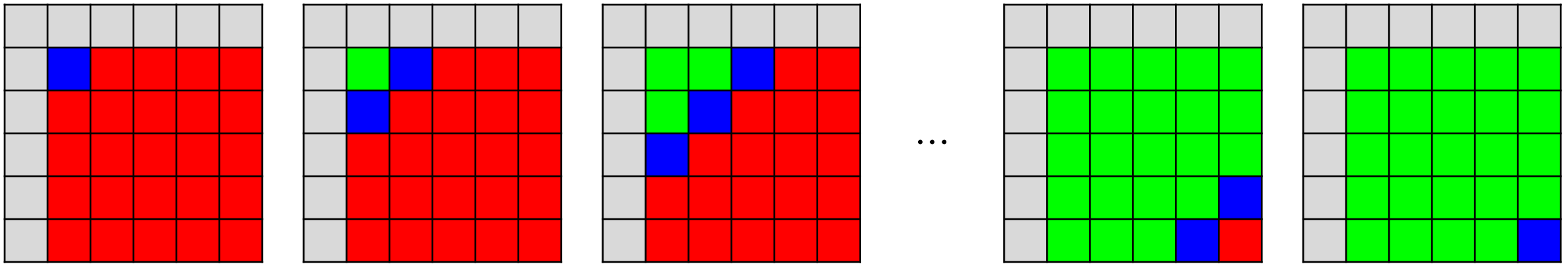
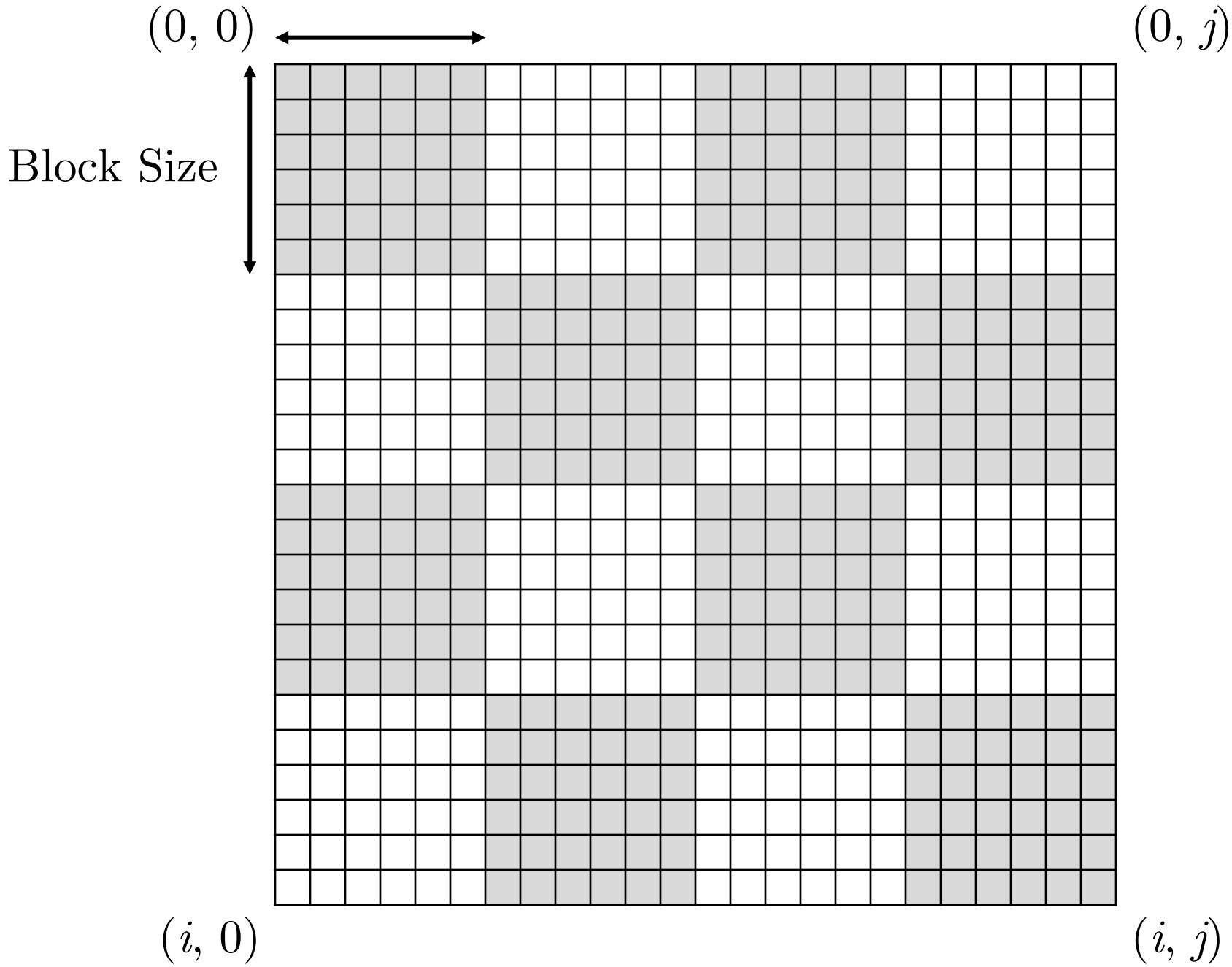

(0, 0)
(0, j)
(i, 0)
(i, j)

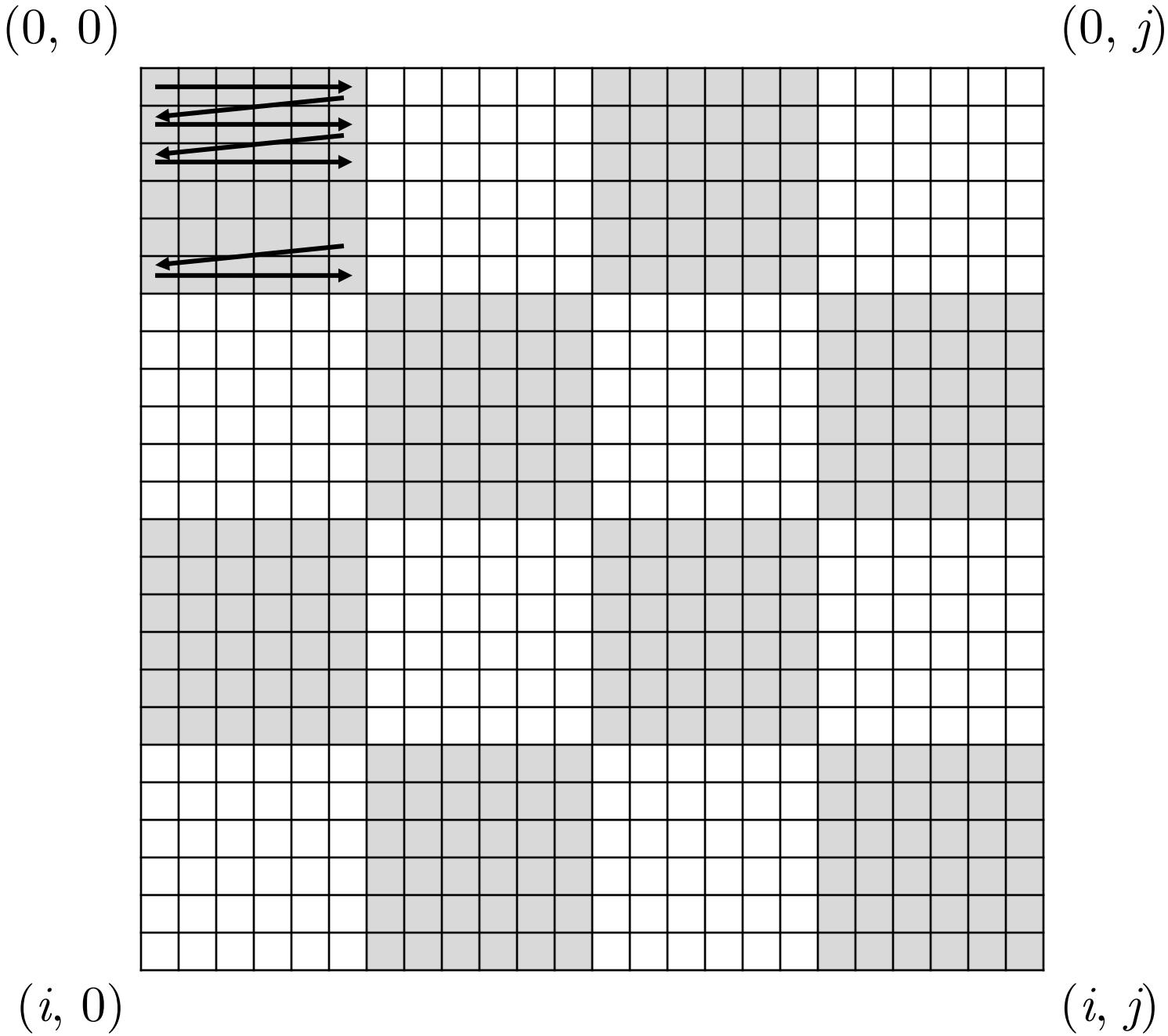

(0, 0)
(0, j)
(i, 0)
(i, j)

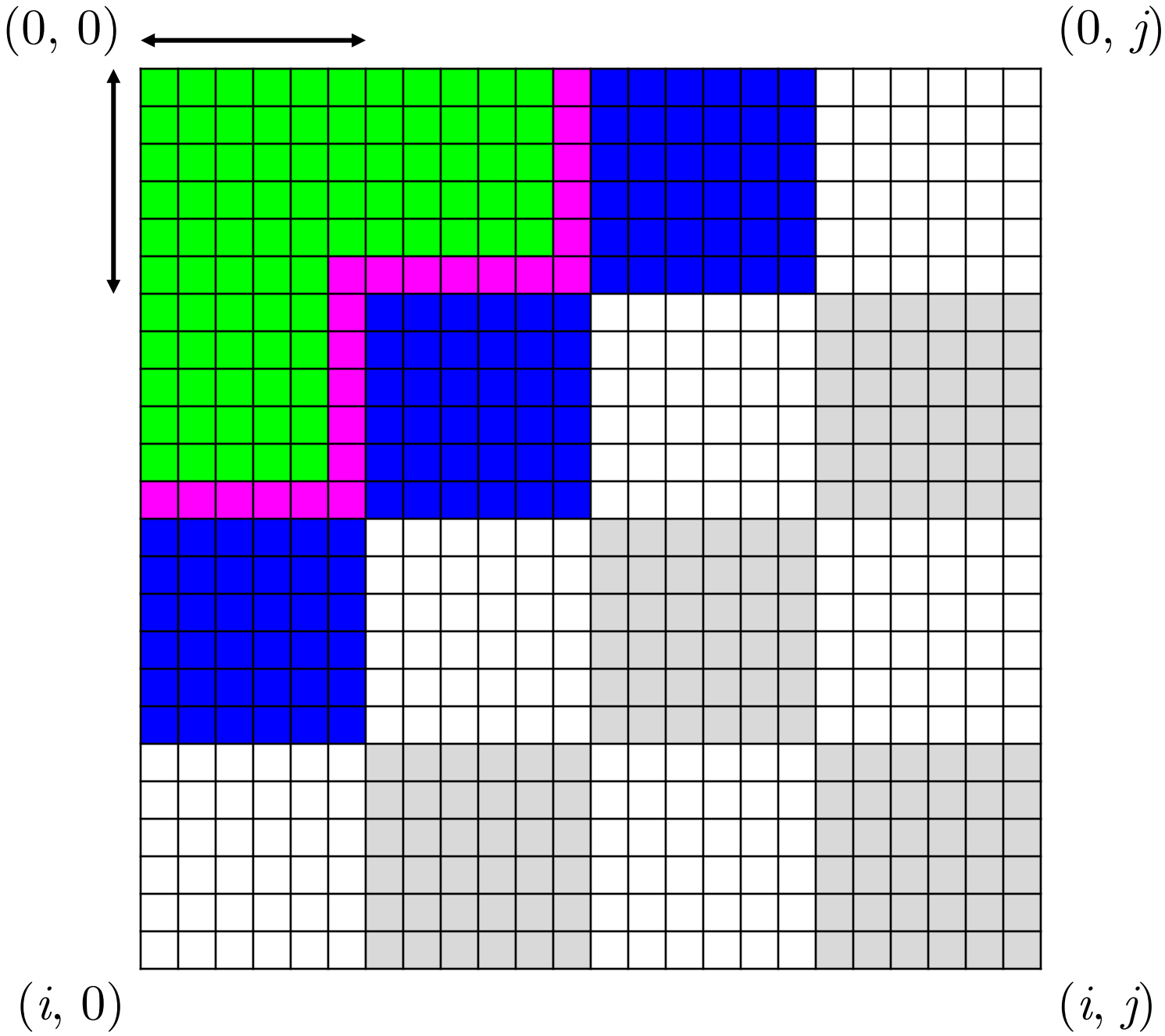

$(0,\ 0)$
$(0,\ j)$
$(i,\ 0)$
$(i,\ j)$

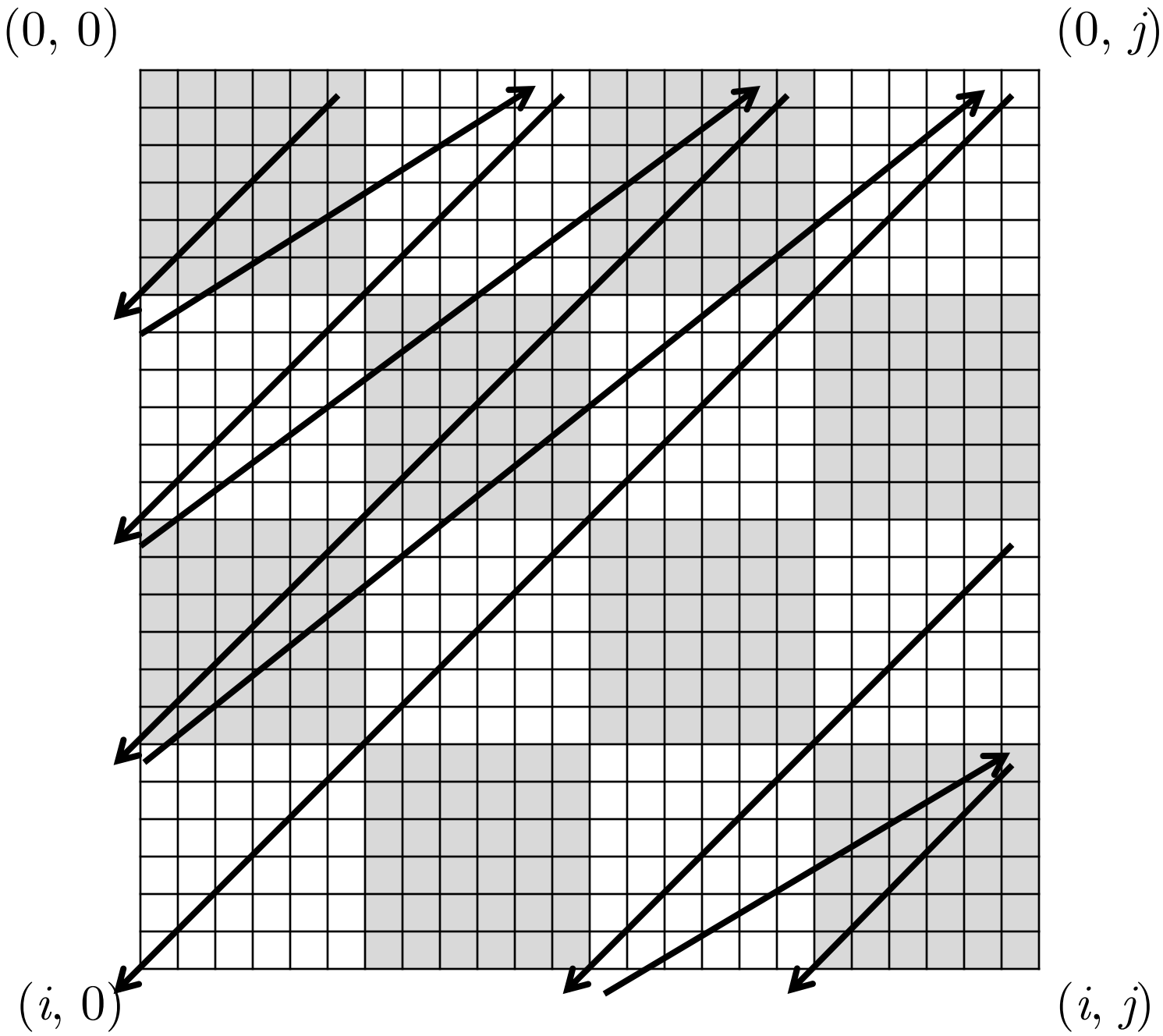


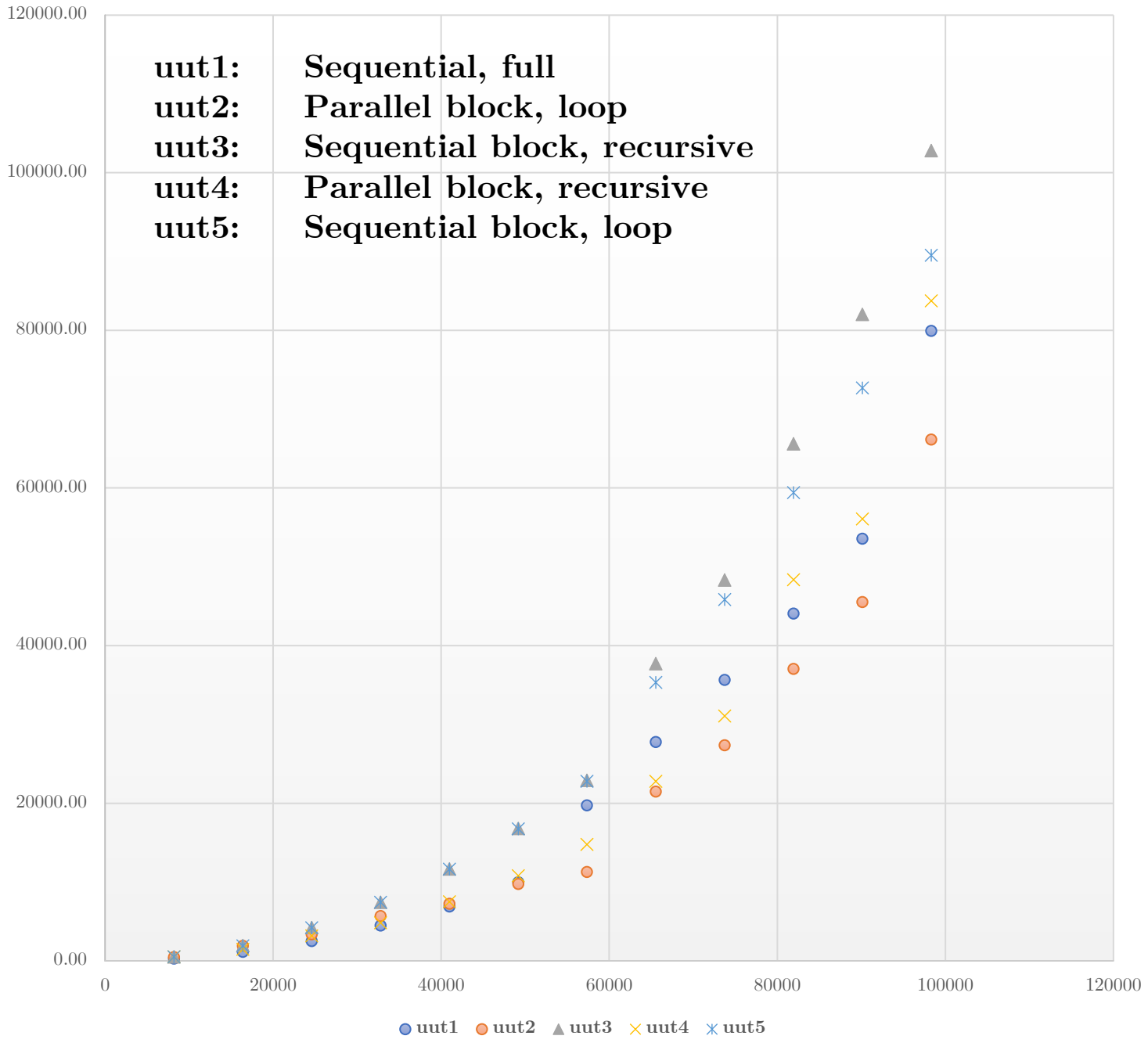
Iterations

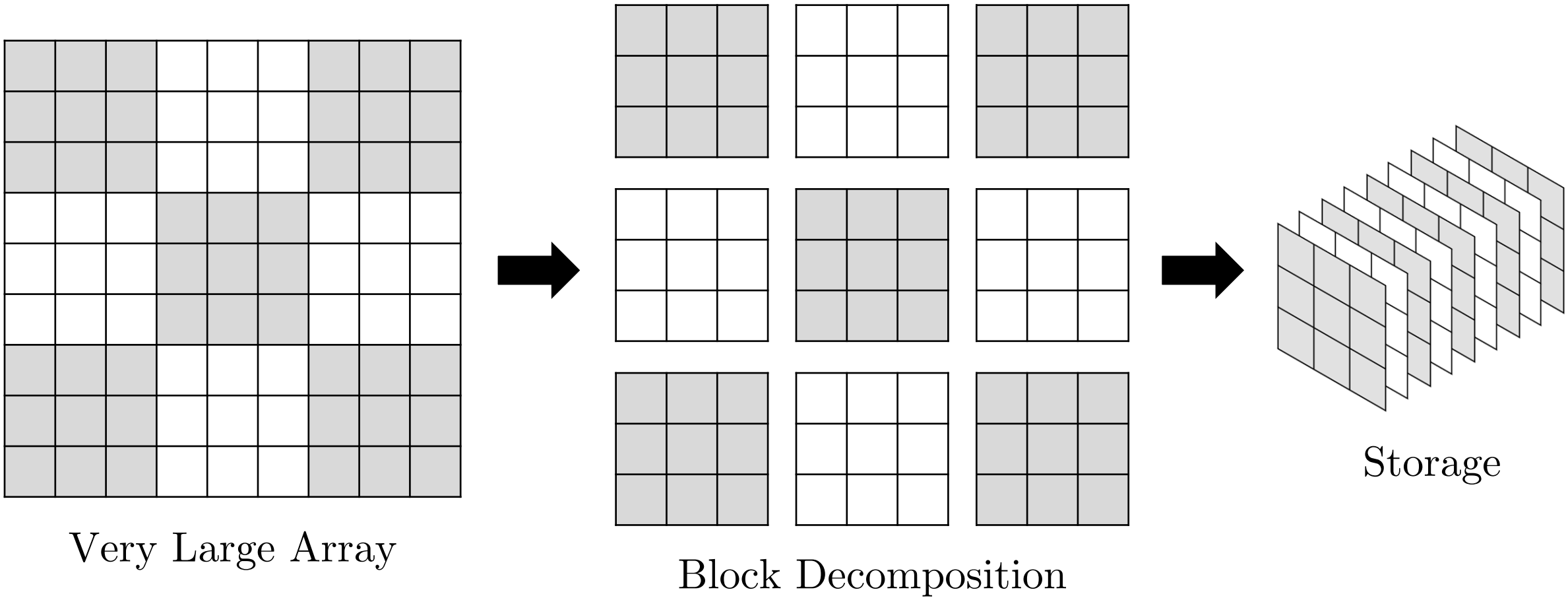

(0, 0)
(0, j)
Block Size
(i, 0)
(i, j)

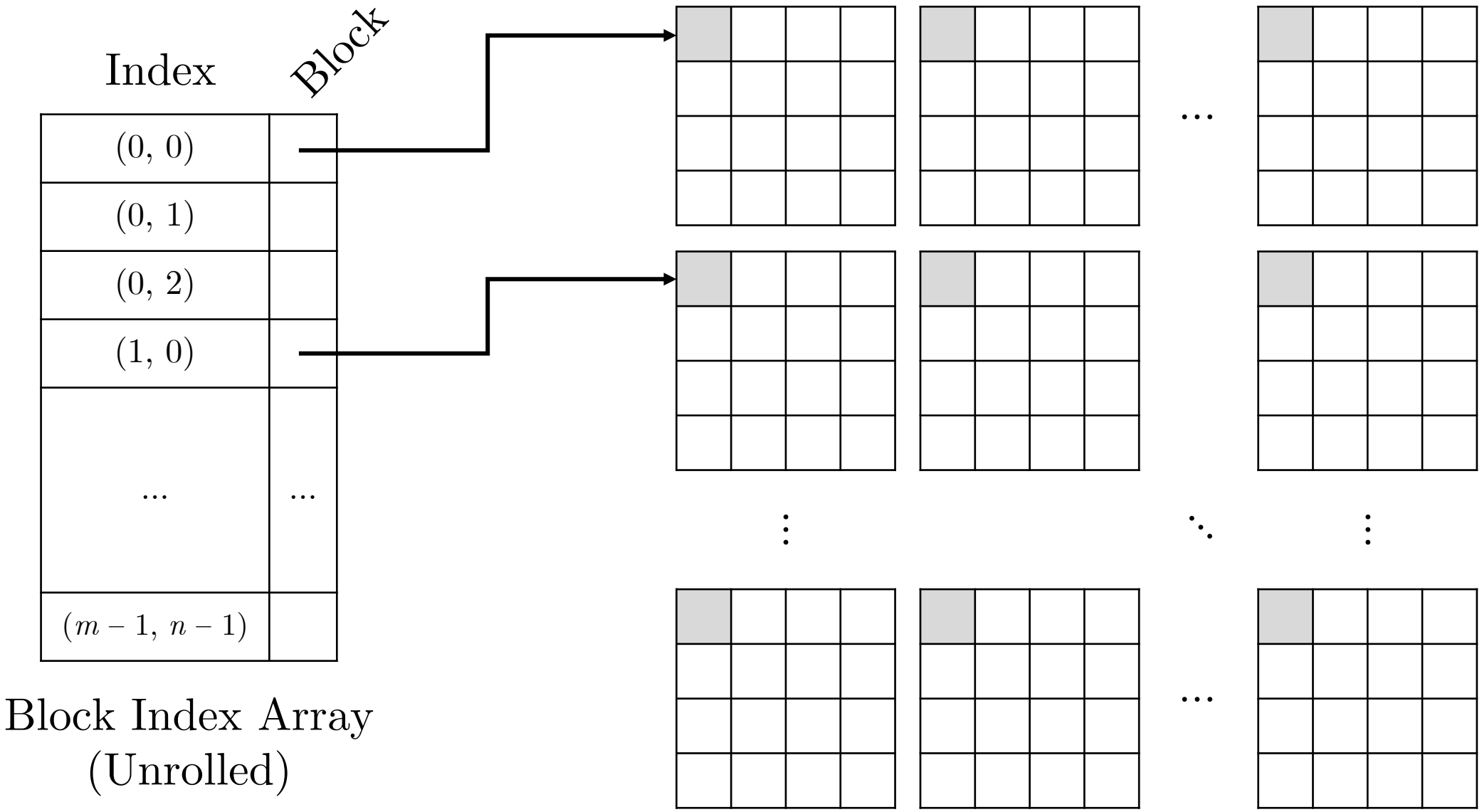

(0, 0)
(0, j)
(i, 0)
(i, j)


(0, 0)
(0, j)
(i, 0)
(i, j)


(0, 0)
(0, j)
(i, 0)
(i, j)


Measured CPU Time in milliseconds - String input length
uut1: Sequential, full
uut2: Parallel block, loop
uut3: Sequential block, recursive
uut4: Parallel block, recursive
uut5: Sequential block, loop
120000.00
100000.00
80000.00
60000.00
40000.00
20000.00
0.00
0
20000
40000
60000
80000
100000
120000
uut1
uut2
uut3
uut4
uut5


Very Large Array
Block Decomposition
Storage


Index
Block
(0, 0)
(0, 1)
(0, 2)
(1, 0)
...
...
$(m-1, n-1)$
Block Index Array
(Unrolled)