1   Col/Row major

$i \setminus j$	0	1	2	3
0	0	1	2	3
1	4	5	6	7
2	8	9	10	11
3	12	13	14	15
4	16	17	18	19

row-major order

$i \setminus j$	0	1	2	3
0	0	5	10	15
1	1	6	11	16
2	2	7	12	17
3	3	8	13	18
4	4	9	14	19

column-major order

2   Cache aware data storage

$C = A \times B$

$i \setminus j$	0	1	2	3	4
0	0	1	2	3	4
1	5	6	7	8	9
2	10	11	12	13	14
3	15	16	17	18	19

matrix A row-major

$i \setminus j$	0	1	2	3
0	0	5	10	15
1	1	6	11	16
2	2	7	12	17
3	3	8	13	18
4	4	9	14	19

matrix B column-major