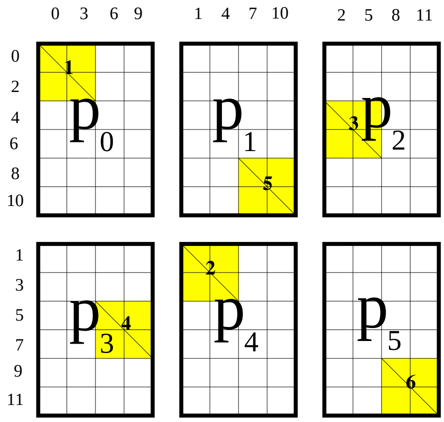
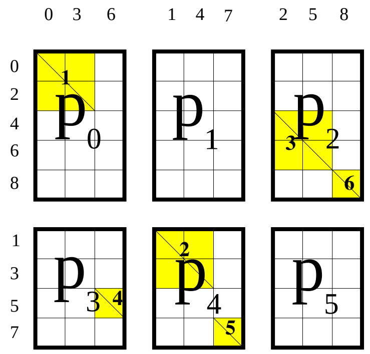
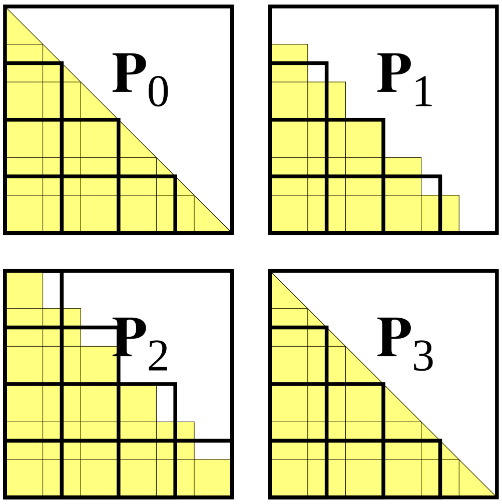


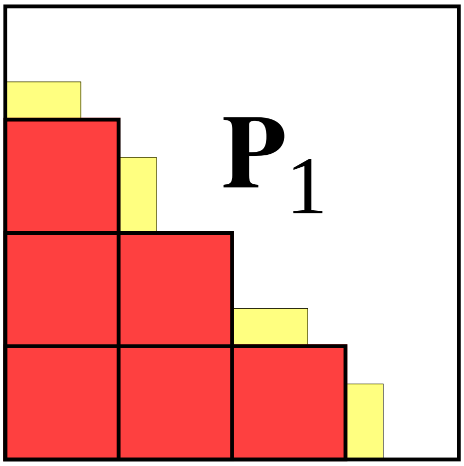
(a) 12 x 12 blocks on 2 x 3 processes



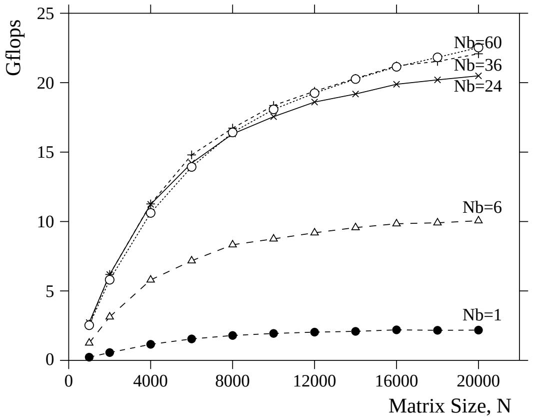
(b) 9 x 9 blocks on 2 x 3 processes



(a) data distribution on a 2x2 processor grid



(b) data movement on P1 before the computation


Gflops
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20
15
10
5
0
0
4000
8000
12000
16000
20000
Matrix Size, N
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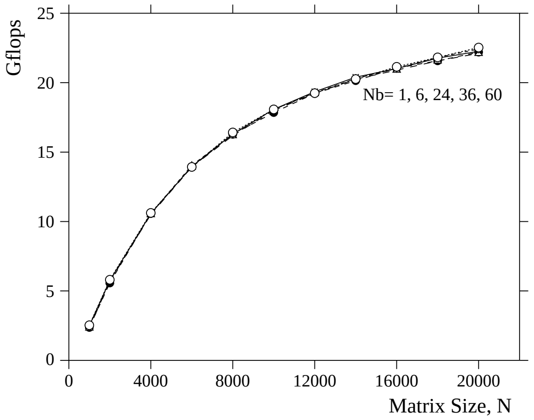
Nb=36
Nb=24
Nb=6
Nb=1


Gflops
25
20
15
10
5
0
0
4000
8000
12000
16000
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Matrix Size, N
Nb= 1, 6, 24, 36, 60