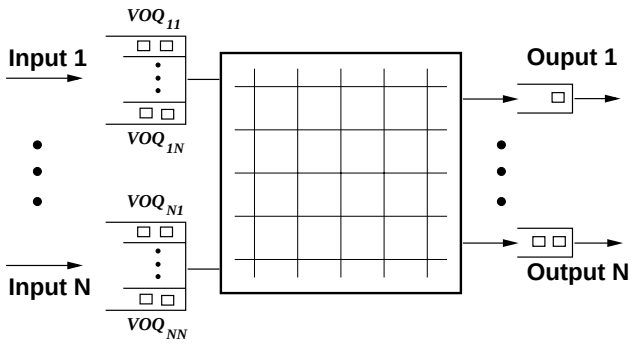
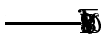
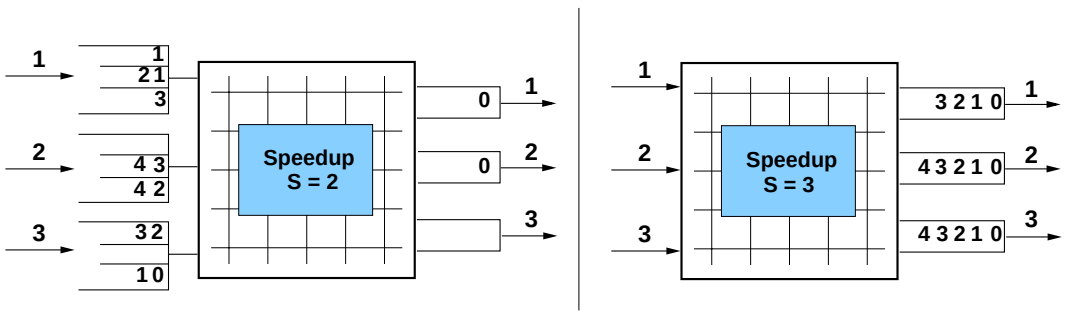
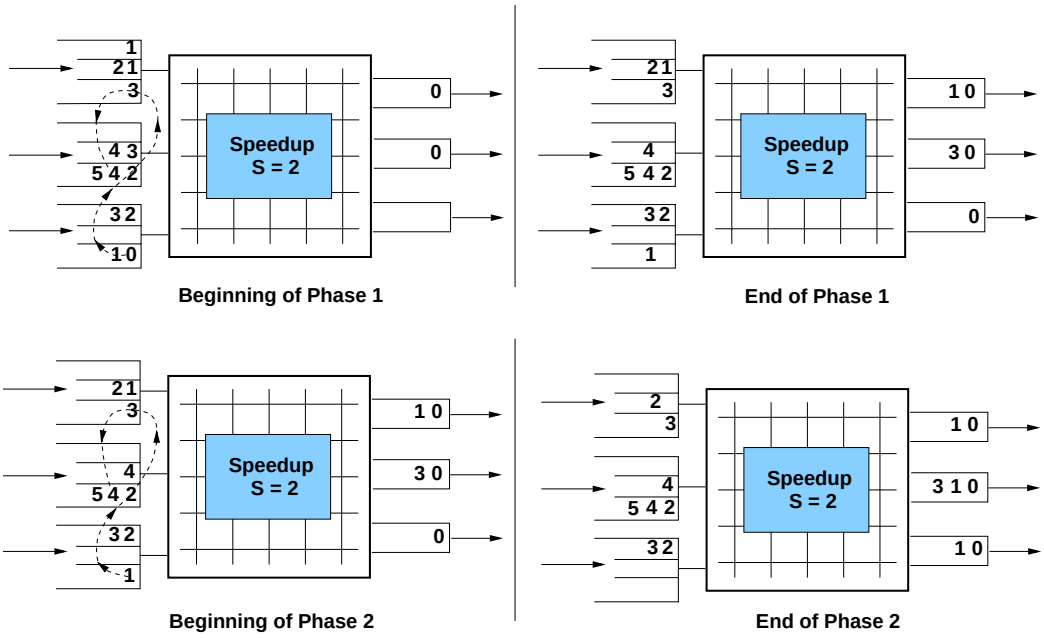

VOQ 11
Input 1
Ouput 1
VOQ 1N
VOQ N1
Input N
Output N
VOQ NN




1
2
3
1
2 1
3
4 3
4 2
3 2
1 0
Speedup
S = 2
0
0
1
2
3
1
2
3
Speedup
S = 3
3 2 1 0
4 3 2 1 0
4 3 2 1 0
1
2
3


1
2 1
3
4 3
5 4 2
3 2
1 0
Speedup
S = 2
0
0
Beginning of Phase 1
2 1
3
4
5 4 2
3 2
1
Speedup
S = 2
1 0
3 0
0
End of Phase 1
2 1
3
4
5 4 2
3 2
1
Speedup
S = 2
1 0
3 0
0
Beginning of Phase 2
2
3
4
5 4 2
3 2
Speedup
S = 2
1 0
3 1 0
1 0
End of Phase 2