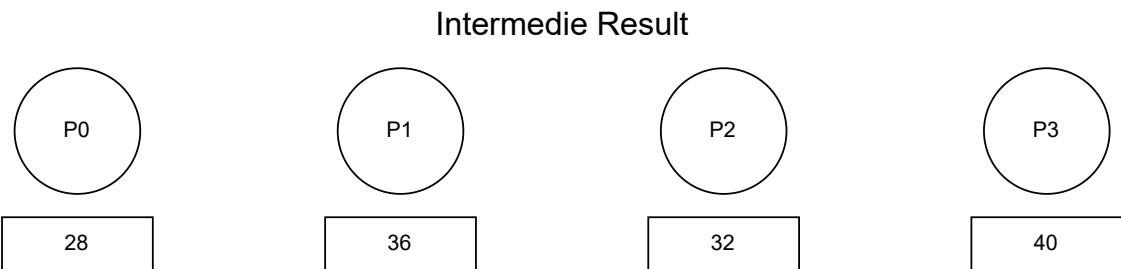
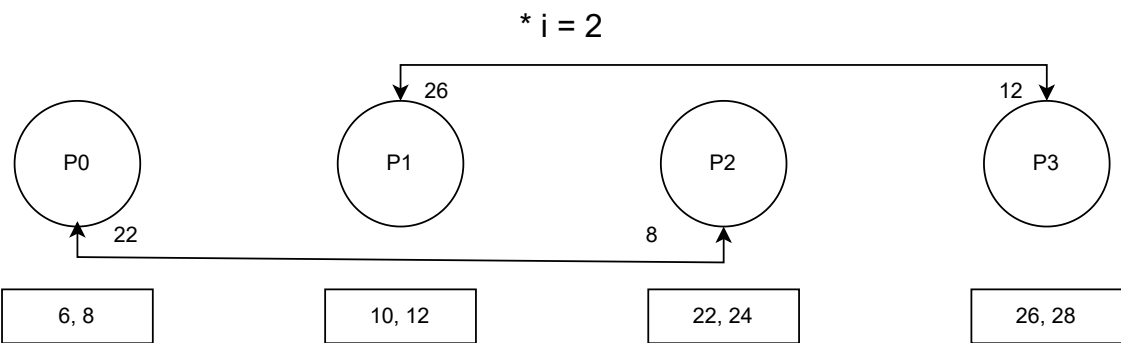
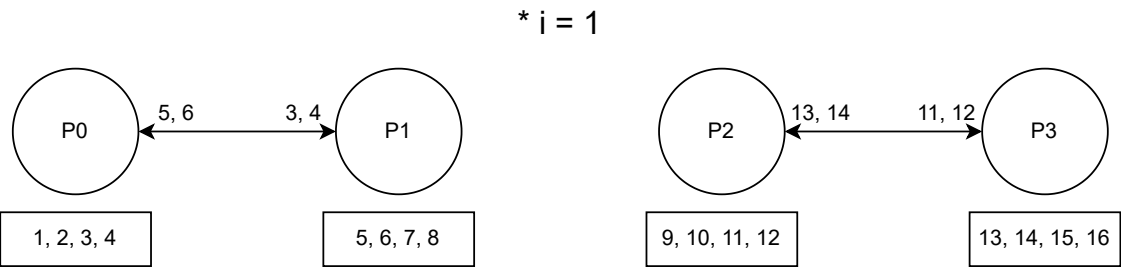
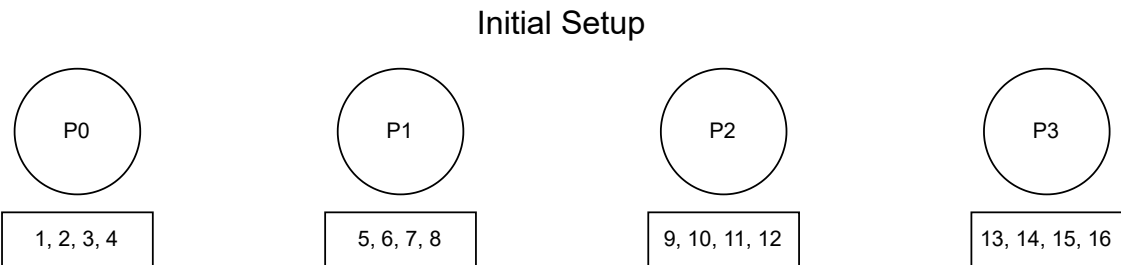


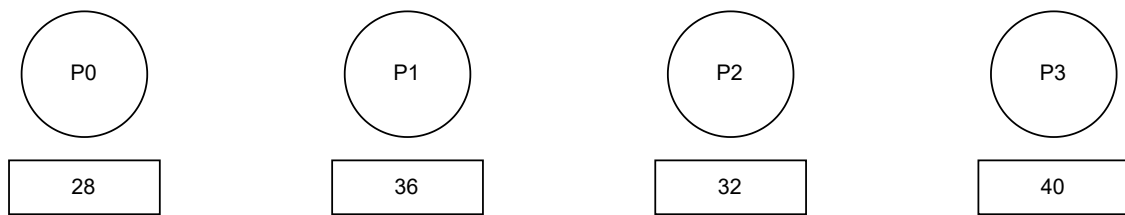
Vector Halving and Distance Doubling Allreduce [SUM]

1° Step: Reduce-Scatter [Recursive Halving and Distance Doubling]

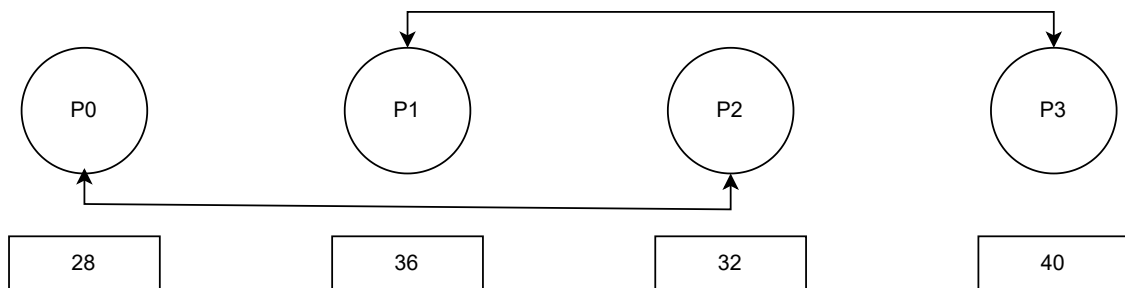


2° Step: Allgather [Recursive Doubling and Distance Halving]

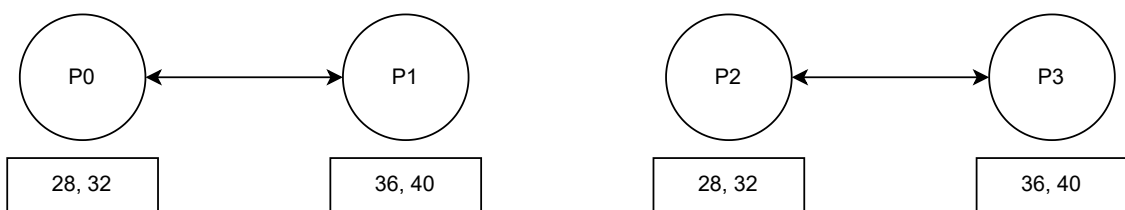
Intermedie Result



* i = 1



* i = 2



Final Result

