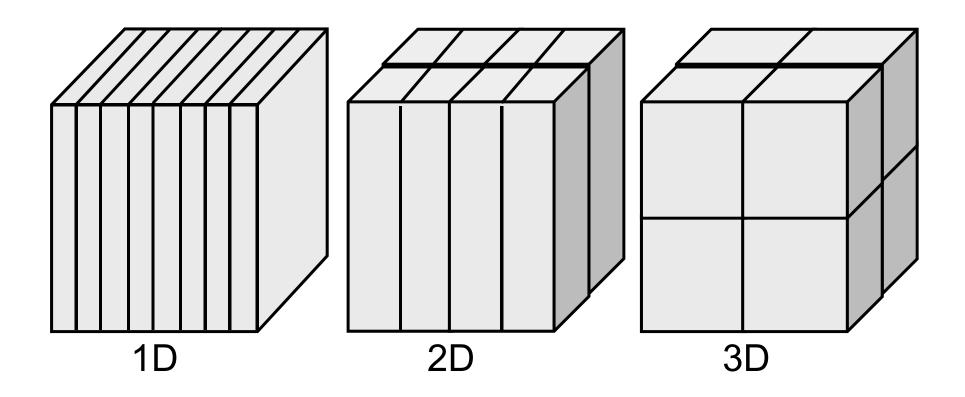
Assignment on Parallel FVM

- Evaluation behavior and performance of the 3D Poisson Solver
- Example
 - Strong Scaling
 - Fixed entire problem size
 - Weak Scaling
 - Fixed problem size/core, time for 1 iterations
 - Parameters
 - Problem size
 - Domain decomposition (1D-3D)
 - Flat-MPI/Hybrid
 - Number of Threads in OpenMP/MPI Hybrid

pFEM3D-2

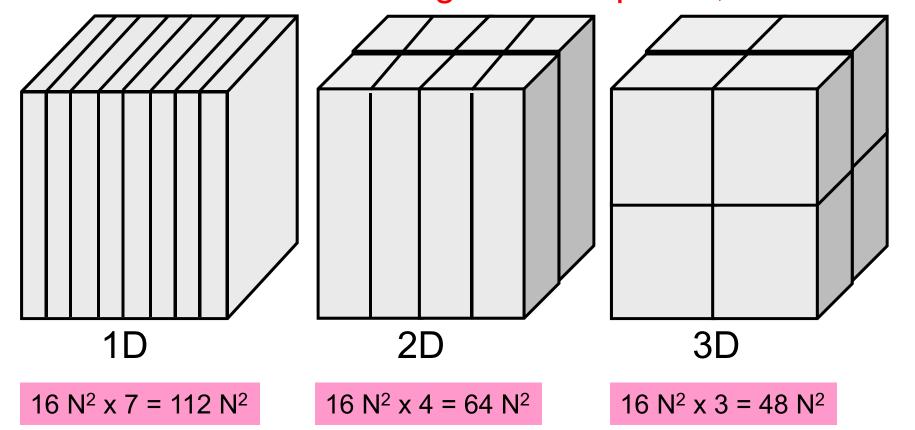
1D-3D Decomposition



pFEM3D-2

1D-3D Decomposition

Amount of comm.: each edge has 4N points, 8 domains



pFEM3D-2

1D-3D Decomposition

mesh.inp

