NSSC2

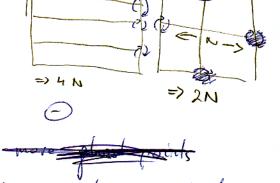
Ex1

Submission: Mon. 2 20th of April 2020 -> to: ussc@ive-tunien.coc.at

Tosh 1: Parallel Gencil-Bosed Jacobi Solver

Questions: First thoughts (a) \$20 vs 10 olecoup

less phost points (some # of subdomosins) >less & more flexibility (esp. later with odoptive meshes)



more complex comm structure more neighbouring domains Lodelog in Notomerin afects more

b.) Only update ghost layer every couple of cherotions Les assume values in phost layer do not change much (La maybe do warm up sweeps before with update every iteration) Lo extrapolete change in values based on history (lin approx?)

Hybrid (OpenITP+ MPI) VS Decouple subdomains Losobdomain = subprop = process = node Geach sold: Solve with OMP-porallel Jacobi-Solver

Decouple subdomains on) sold ? thread Either b.) subd= node/processor

Pure (HPI)

La Solve with sep- Jacobi-Solver d.) 2x compute node: