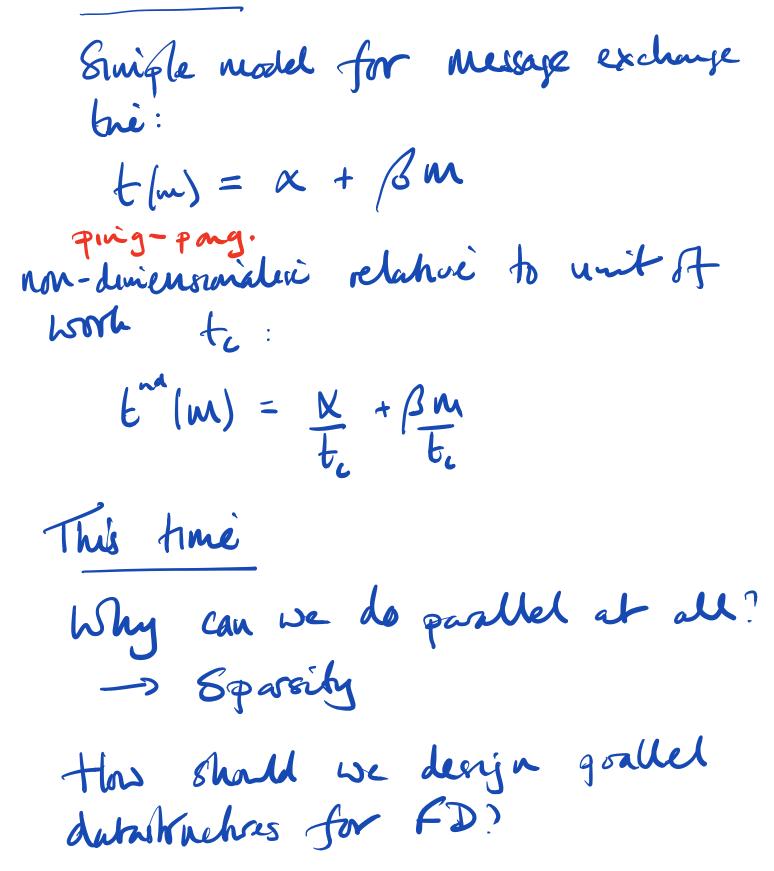
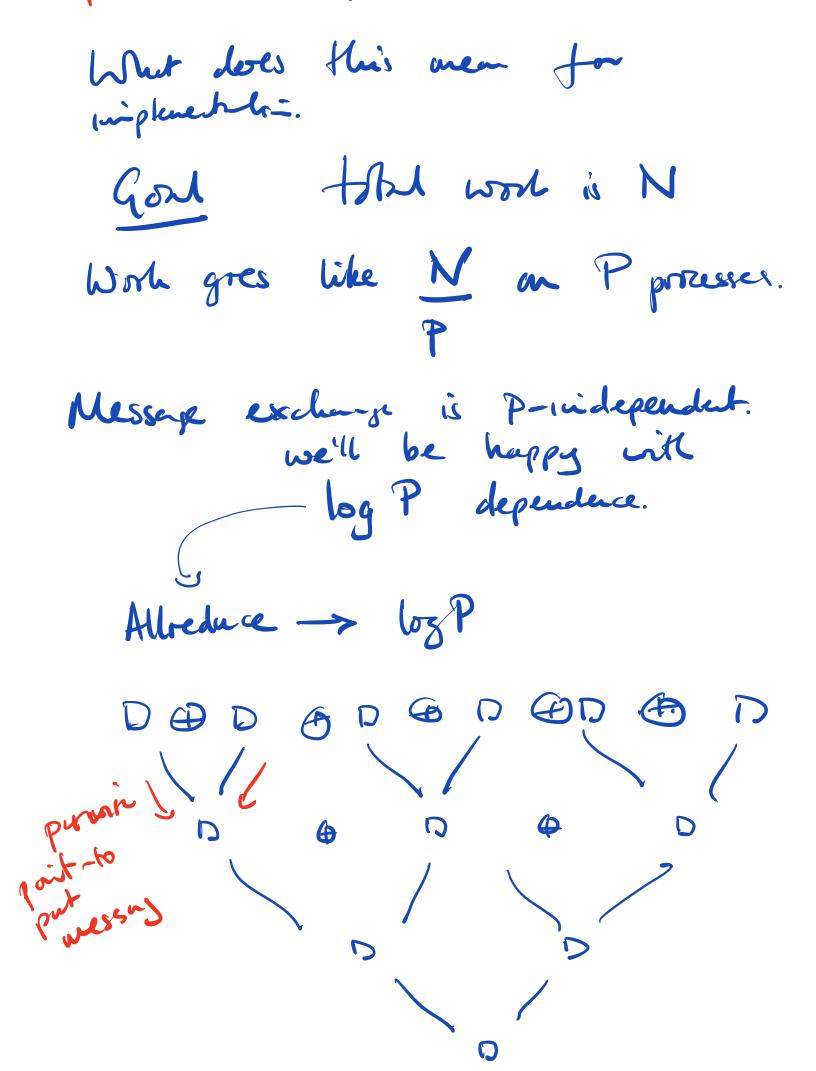
Last finie

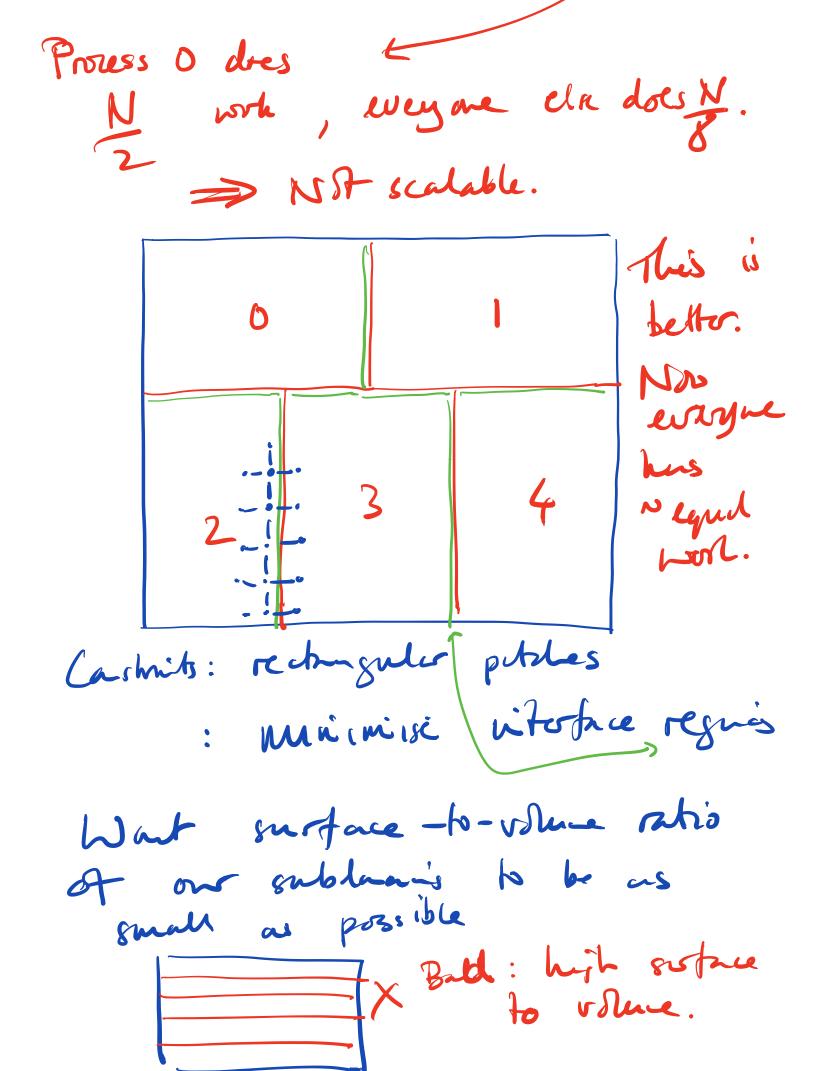


Suppose  $A = \nabla^2$ Then, A couples Sport petter Only 5 deéguals are non rero. ⇒ Consequence: Explicit schenes we can implement purely with local opentoris. Unn = Un + St Aun **⊢**\_ĺ\_. = + the - expends stand Implant unri = (I - St A) un -----)

Inverse of a spore matrix is not necessary spore. But we can often frid algunders that compte achi of inverse on a vetr, unis spare openhis. So: ve can't make t But fortunately we any need Au Ly We can make this in a spark manner. -> Multignil. LShy i Kie sporse? lozal stencil spore Restaction opertor R spore Smather: Jacobi mosther spore -> pritwin lozal Bose Prolougati opertor P=RT Stand



Bringtree with Pleases has by Please has lg P pait-to-pot nessayes 80. de a reducti. = Dalt int any datachunter that scale with P wire happy with log P. 5 processes. gnd FD Divide snd between Prozess. O prozesses. idely St egul 2 3 4 SIR. Bad devion of wh.



Can phrase this problem interns of graphs. Each hot is a vertex edges between coupled dots. Best k-pohinj. is: Pahtin graph it k pieces sit. each has the same # dets, Minimising the graph cut. > minimising # edges that go between pashitins. L> For regulos grieds we da 4 un thus settij. -> be de for irregules snils

Parallel decompositi. Split daai (cube) into equal (approx) subcertres. pes process. -> Attempti- j to balance work Mininisi camenciation volume (size intertace). Next the: achilly carpitij.