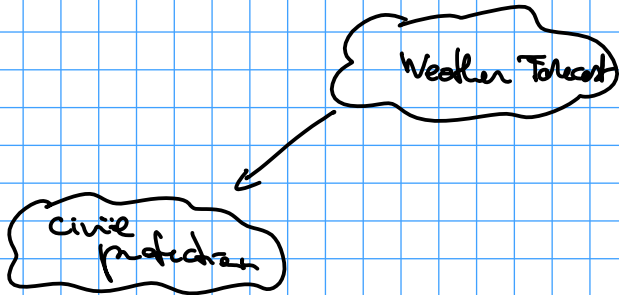
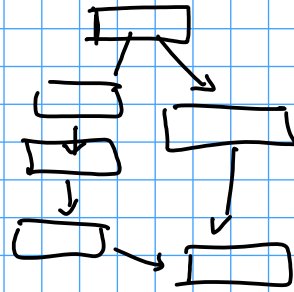


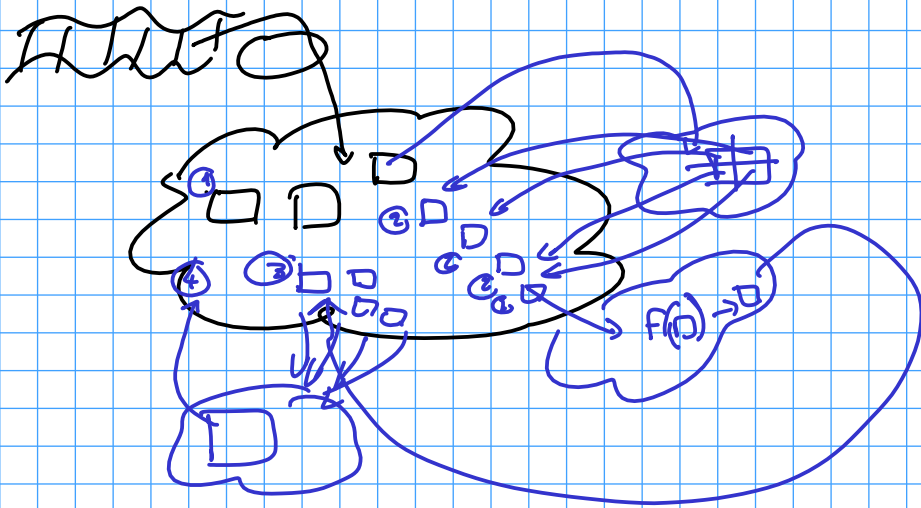
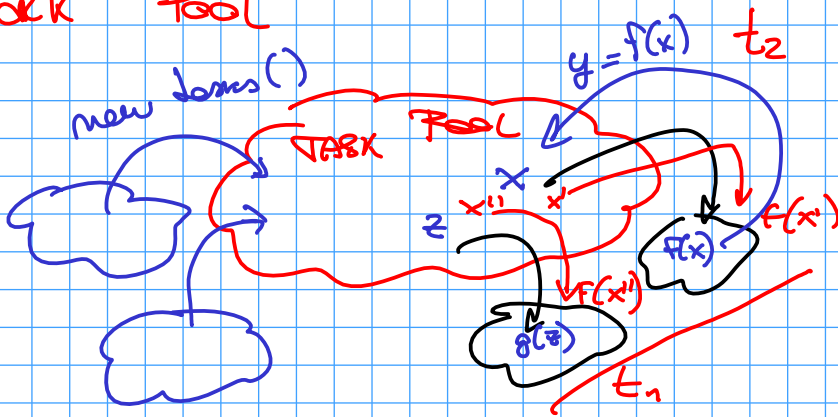
WORK FLOWS



DATA FLOW ANALYSIS

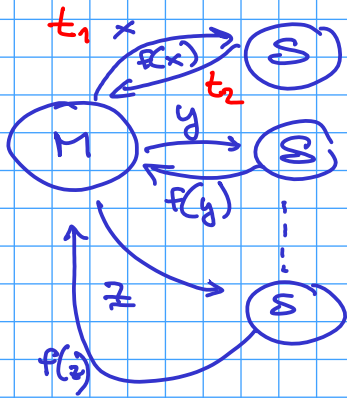


WORK POOL

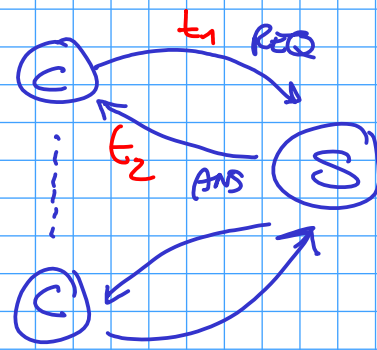


- ① type of frames
- ② type of frame partition to be processed
- ③ type of frame partition to be merged
- ④ the result frame

MASTER SLAVE



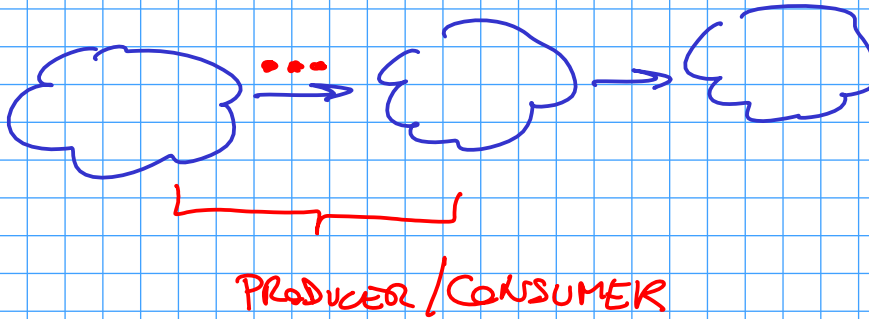
CLIENT / SERVER



$$t_2 > t_1$$

PIPELINE

STAGED COMPUTATIONS IN STAGES



Problems to be solved / Decided / managed

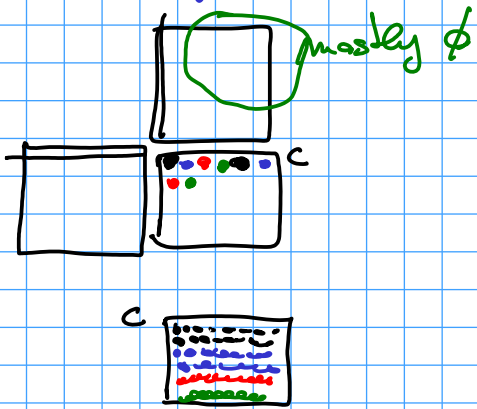
1) Decomposition, Tasks & Dependency graph

2) Granularity $R = \frac{t_{comp}}{t_{setup}}$

R small vs R large
 \uparrow less convenient \uparrow convenient to parallelize

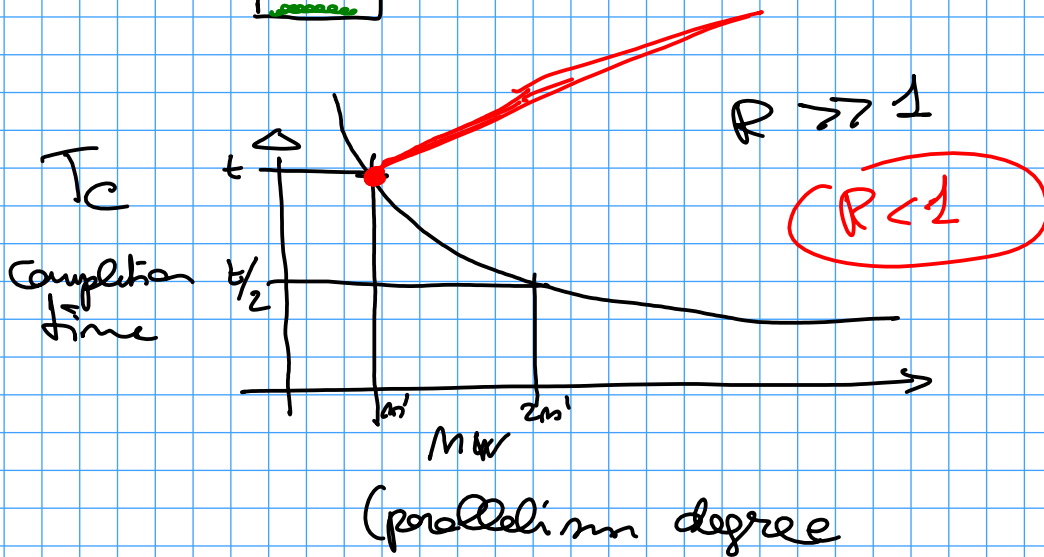
Techniques to improve granularity

MM example

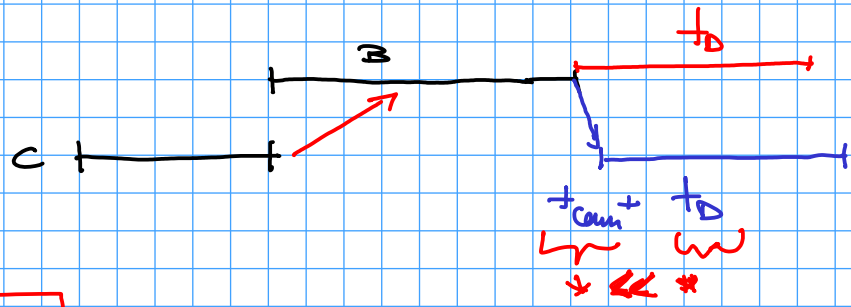
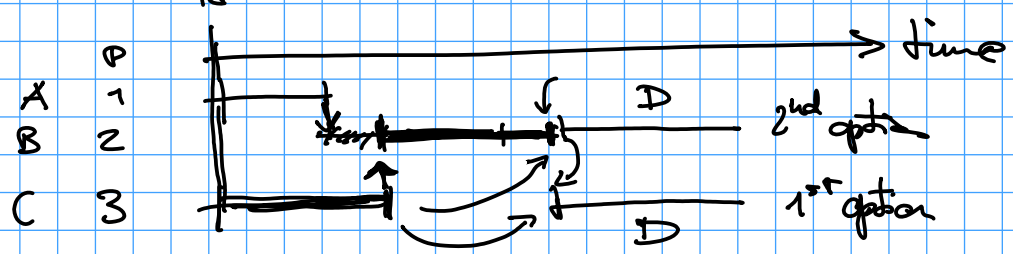
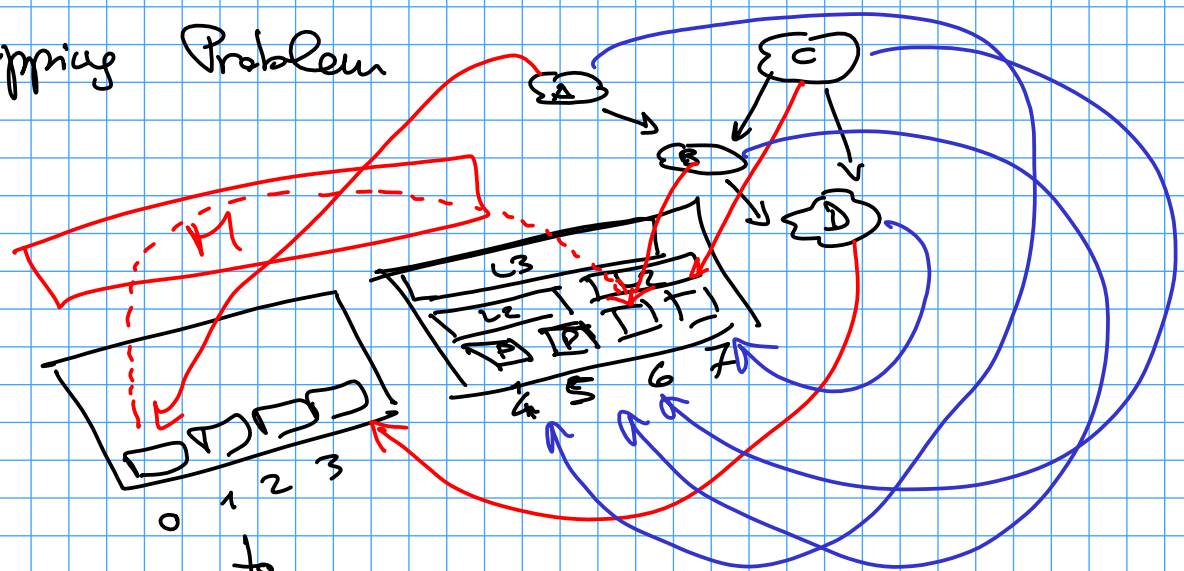


granularity
May

--- impact of load balancing



3) Mapping Problem



spm 16 nu