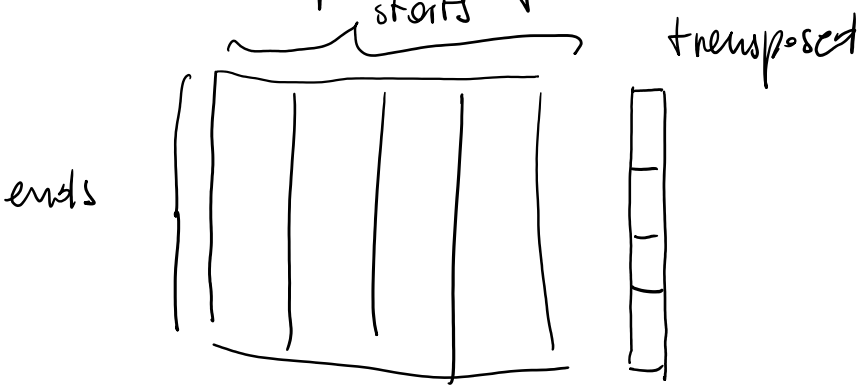
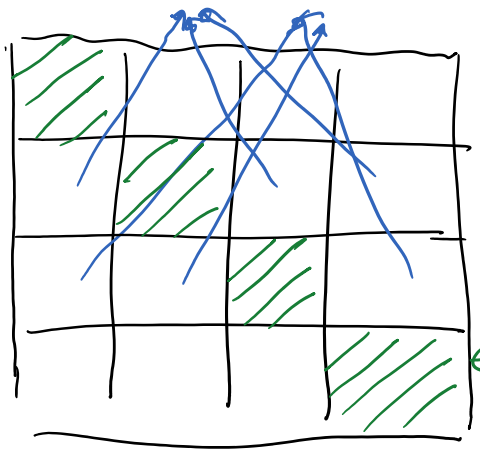
2D partitioning

Saturday, May 27, 2017 9:07 AM

with 1D partitioning:

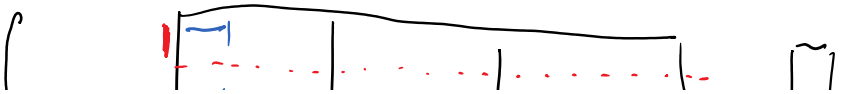


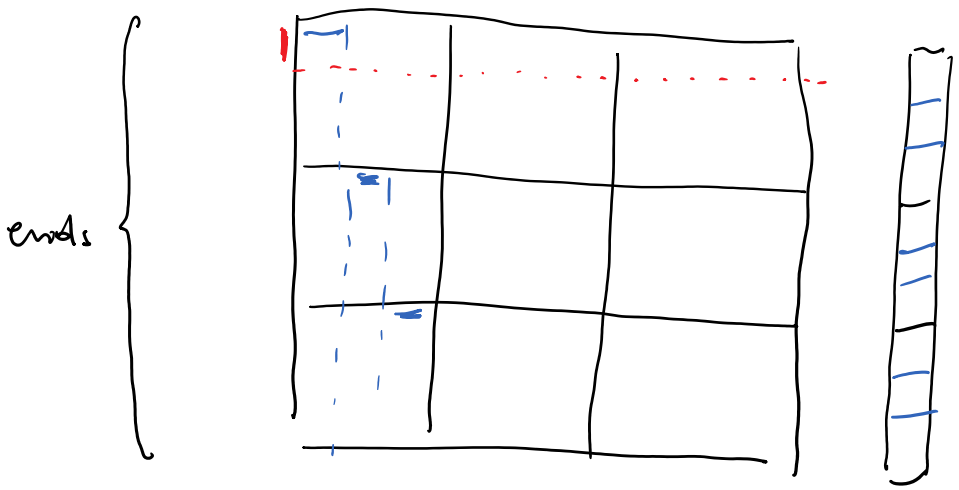
while each processor has all edges for his frontier vertices, new frontier vertices might belong to other processors and need to be distributed



← only them have both edges & ends locally

in 2D partitioning





not only matrix storage is split, but also responsibility for vertices for that column

neither processor in the column has full set of edges for vertices he's responsible for → they must be transfered

but ends we find can belong can belong to processors in the same row