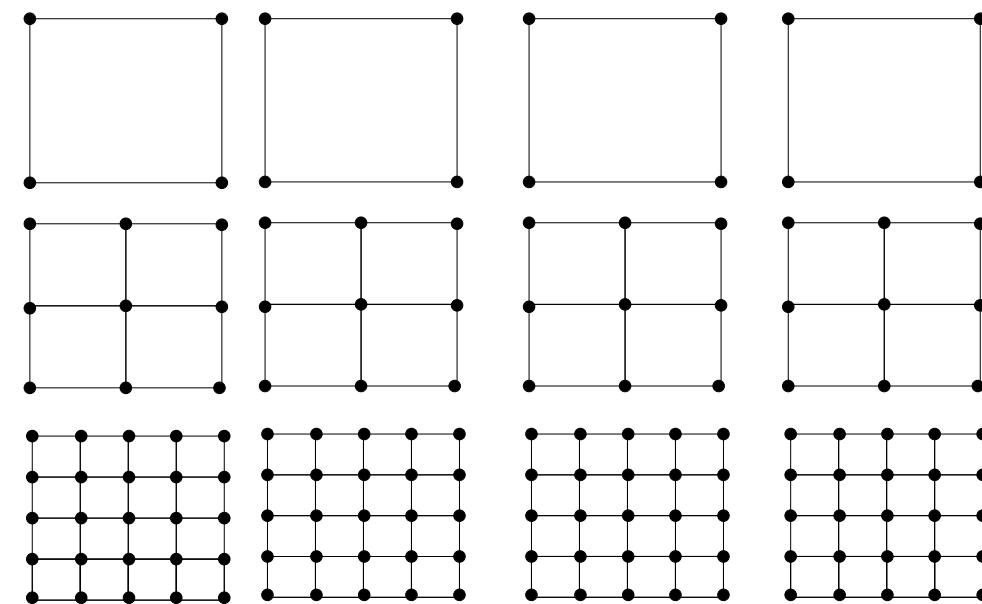
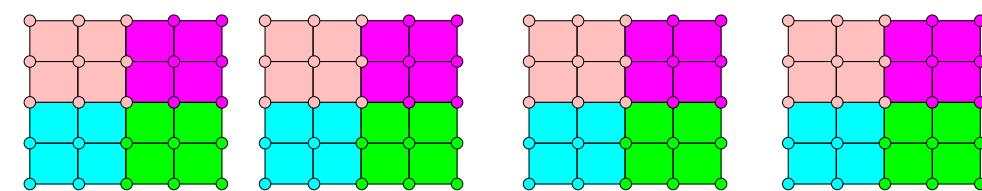


## (1) Initial uniform refinement

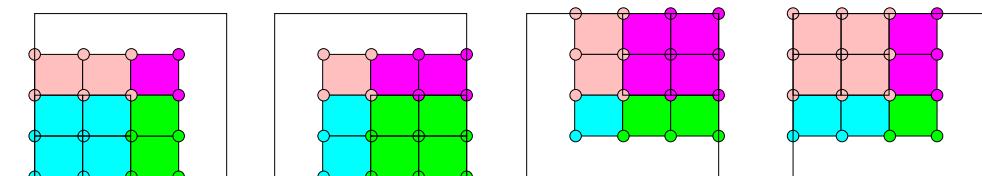


Serial

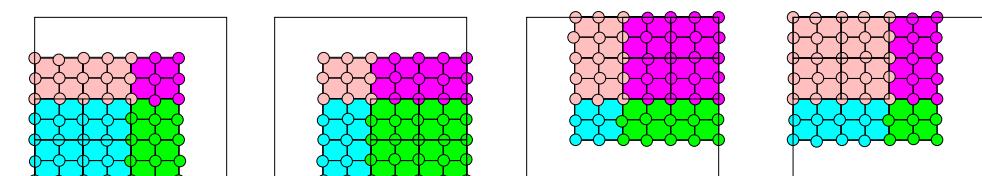
## (2) Partitioning (METIS)



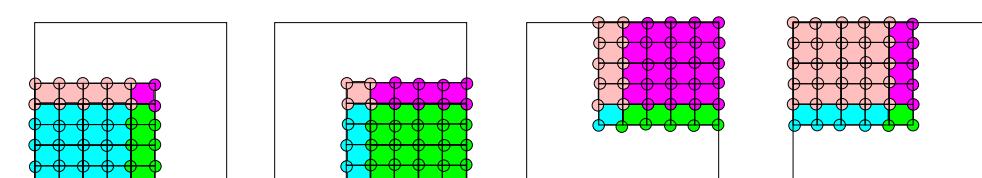
### (3) Identification of halo[ed] nodes/elements and pruning



#### (4) Parallel mesh adaptation



## (5) Pruning of superfluous halo[ed] nodes/elements



**proc 0**

## proc 1

## proc 2

### **proc 3**

parallel