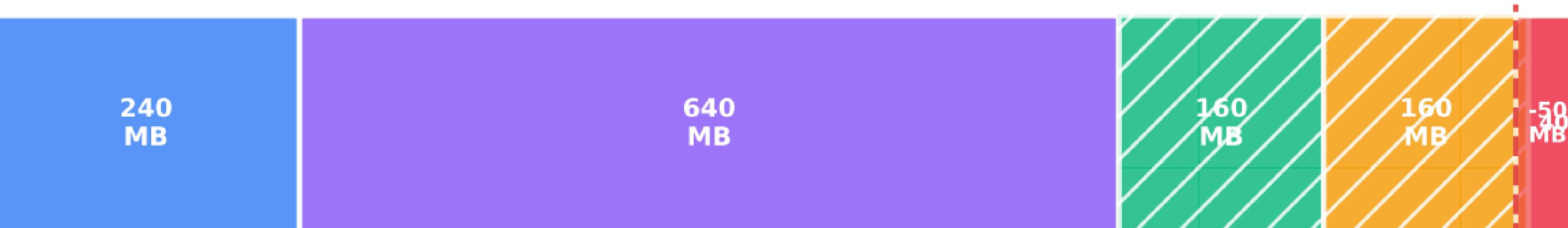


**Net savings
> 1190 MB**

Memory savings per MPI rank ($N_{\text{gridmax}} = 5 \text{ M}$)



0 200 400 600 800 1000 1200

■ nbor array (always)
■ hilbert_key (k-section)

■ Memory between LB
■ cell_level (between LB)

■ Defrag scratch
■ Hash table overhead