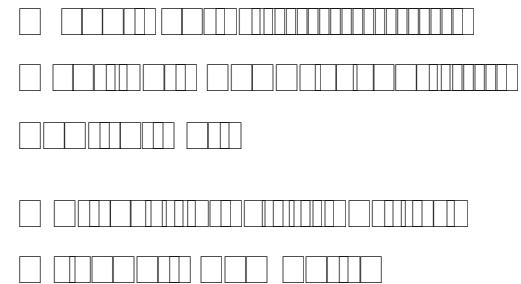
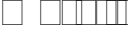

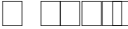
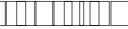

















# DIFFUSION-BASED LOAD BALANCING







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# THE TARGET RUNTIME

-  **over-decomposed** 
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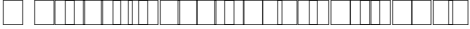
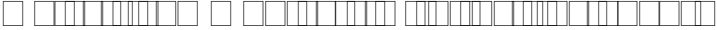

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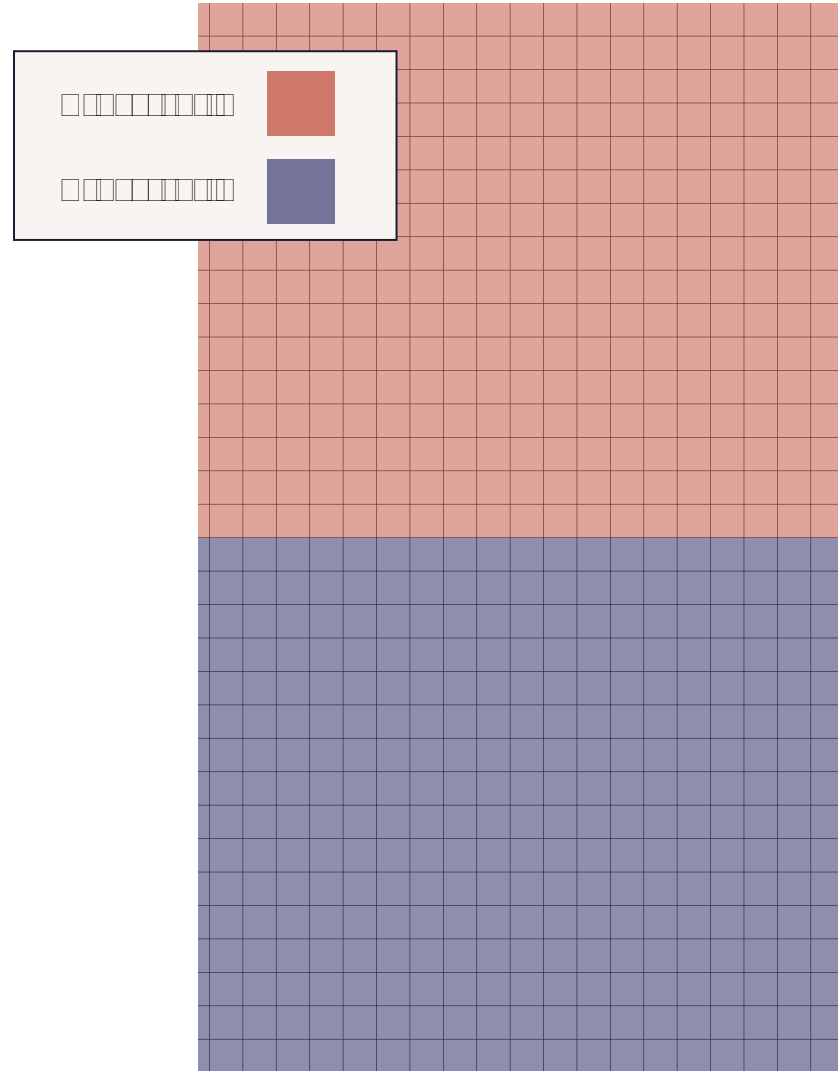
# MIGRATABLE OBJECTS

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# VISUALIZING LOAD WITH A STENCIL CODE

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- **Color** 







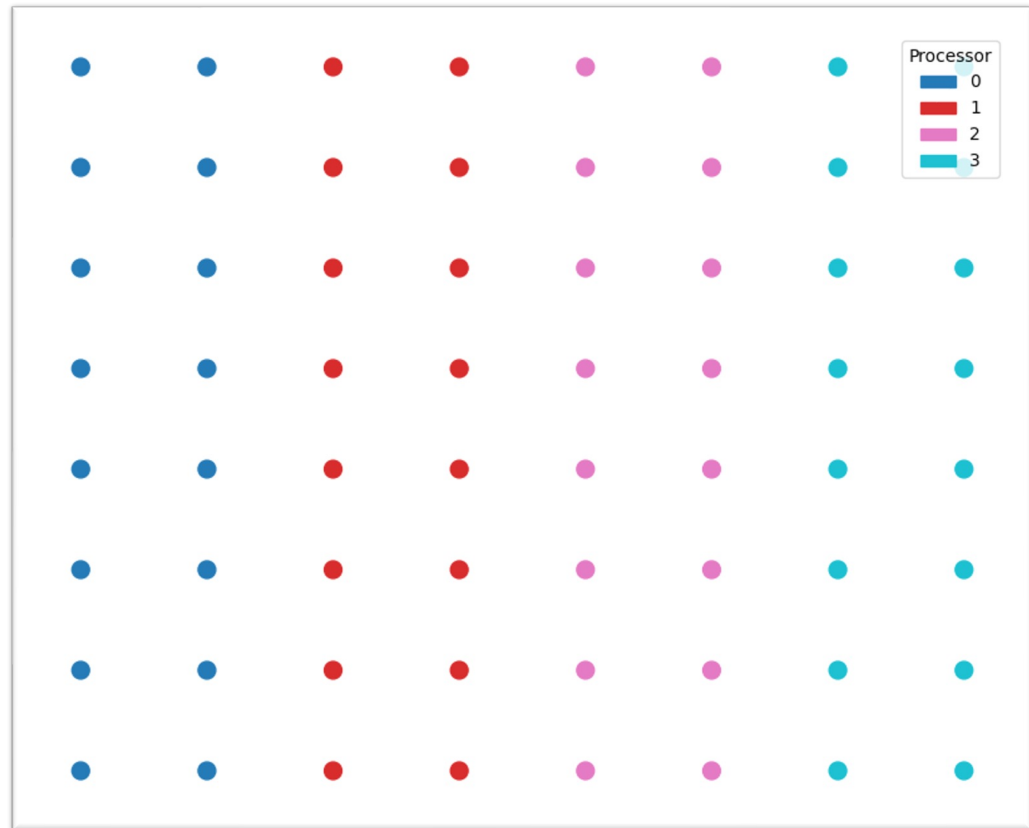
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# A NAÏVE STRATEGY: GREEDY REFINE

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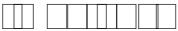
# VISUALIZING GREEDY REFINE

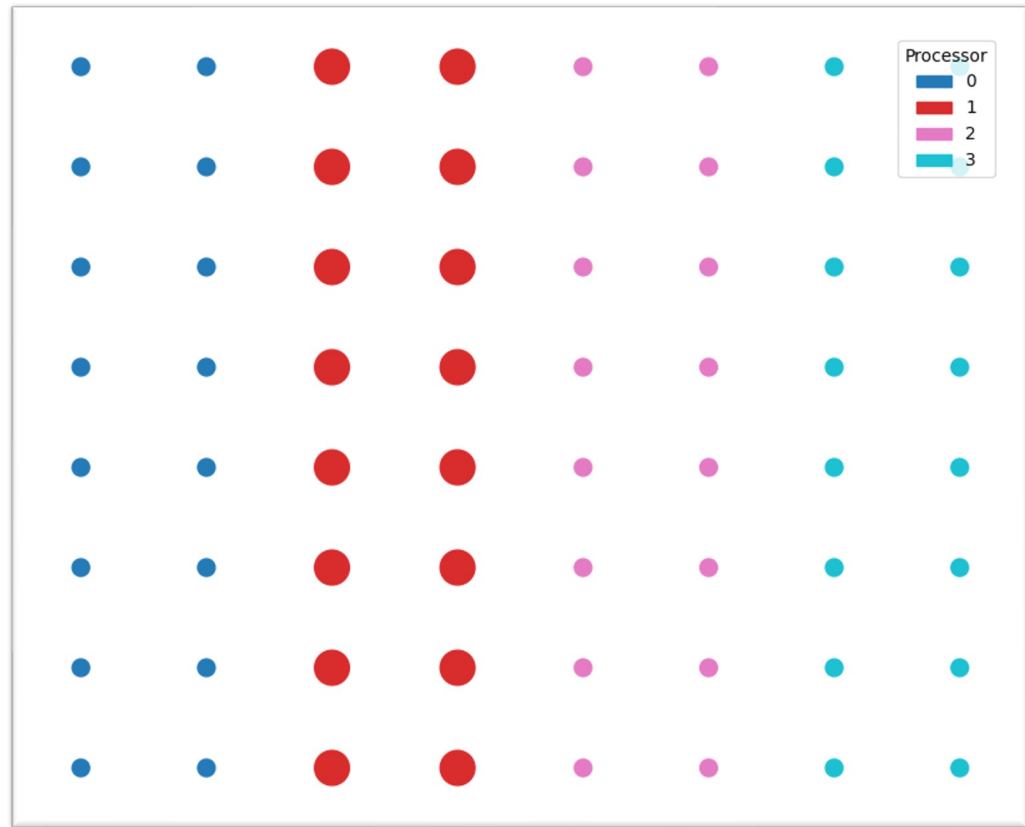
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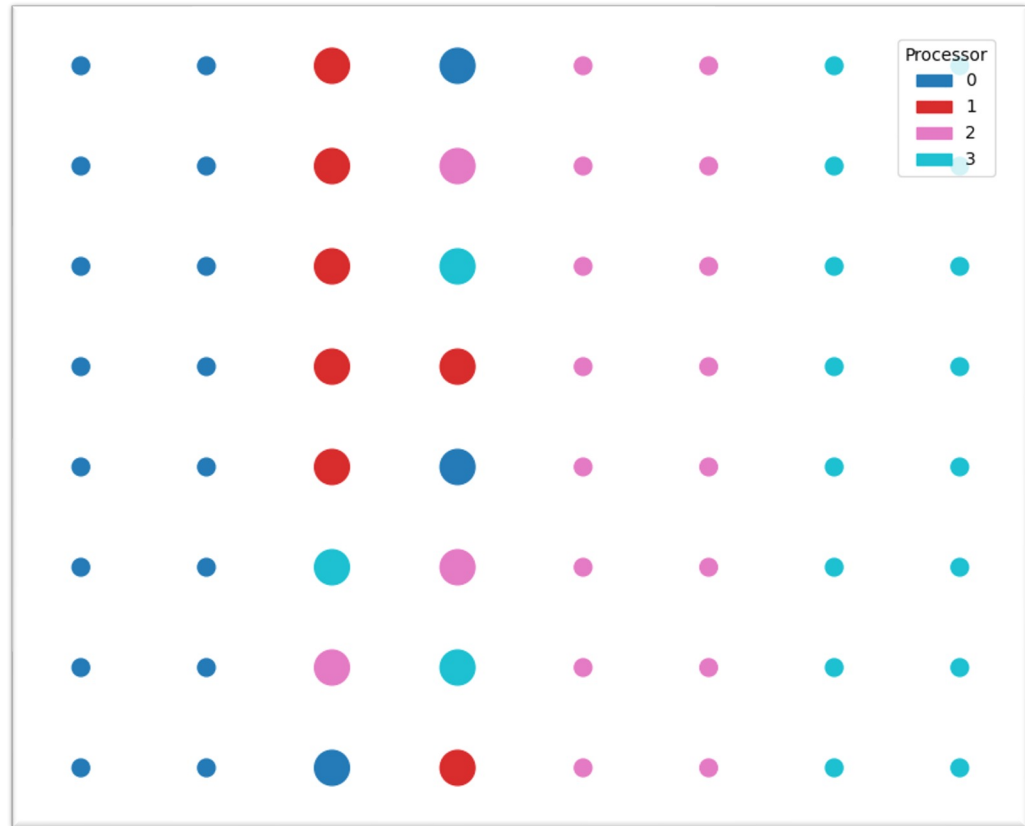
# VISUALIZING GREEDY REFINE

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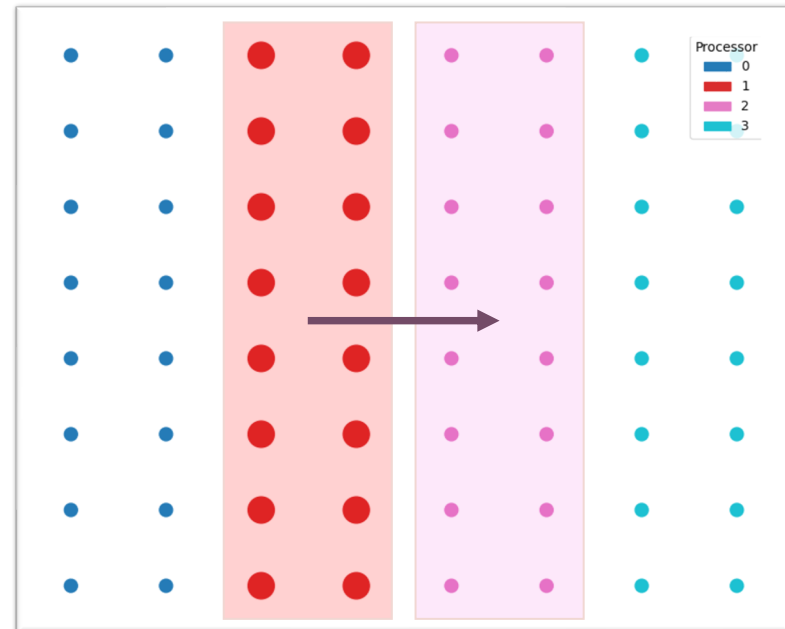
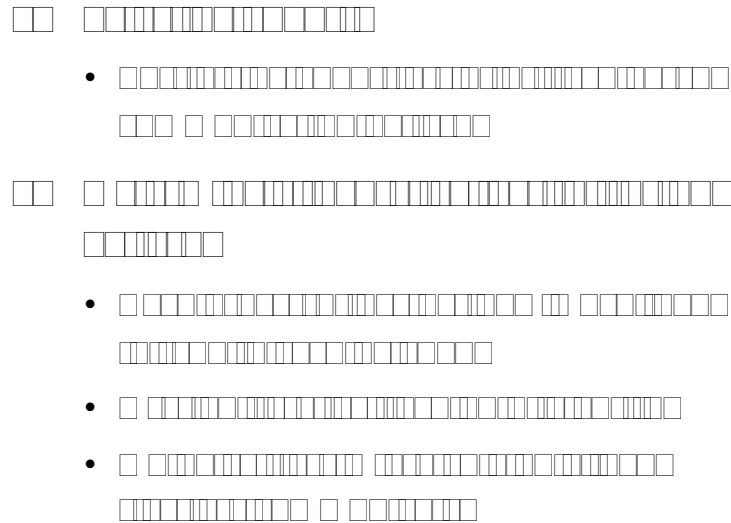
# VISUALIZING GREEDY REFINE

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# THE DIFFUSION ALGORITHM

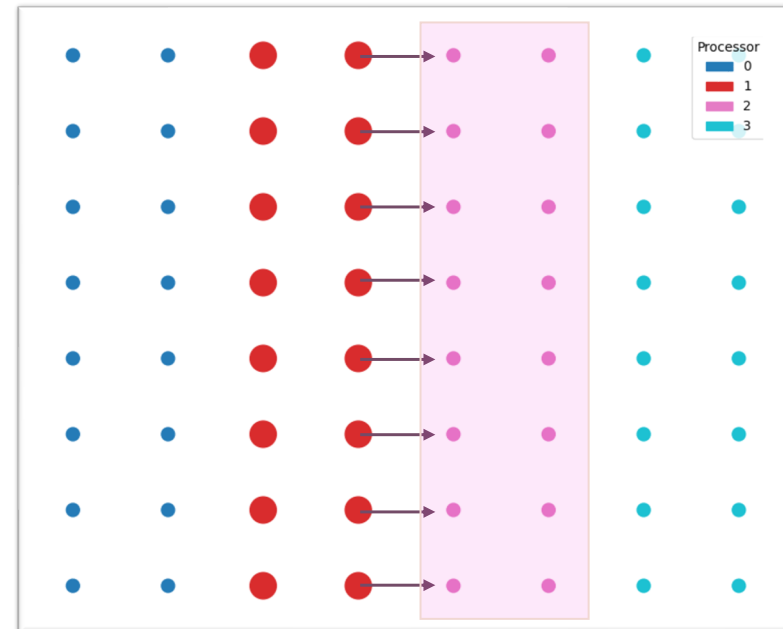


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# THE DIFFUSION ALGORITHM





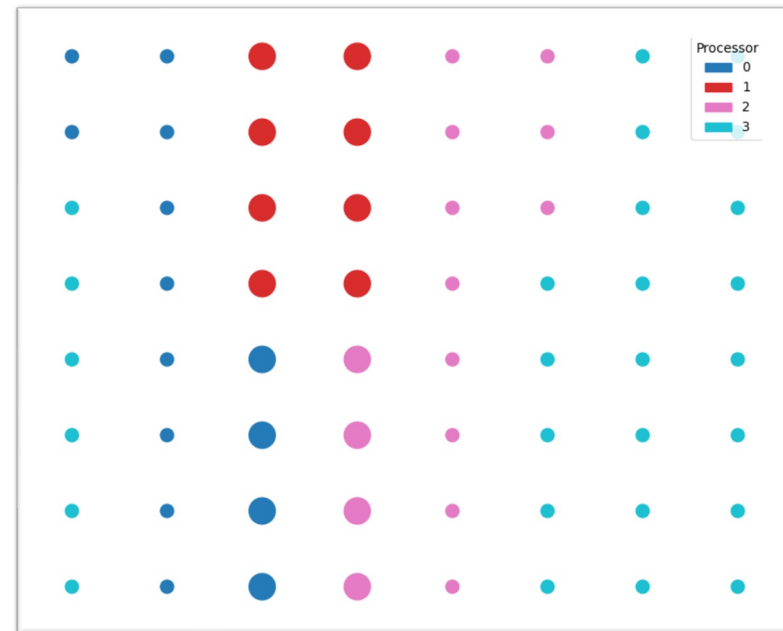
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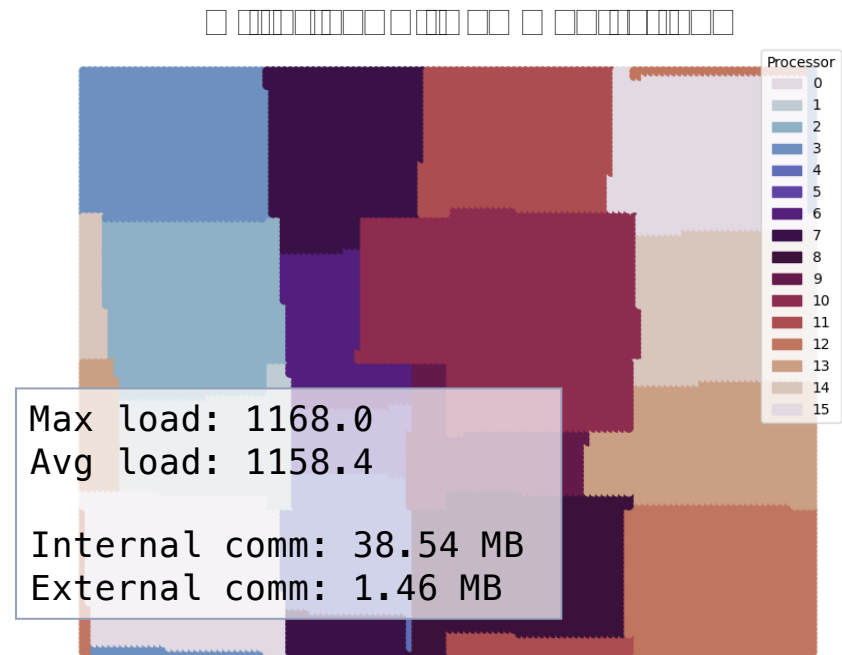
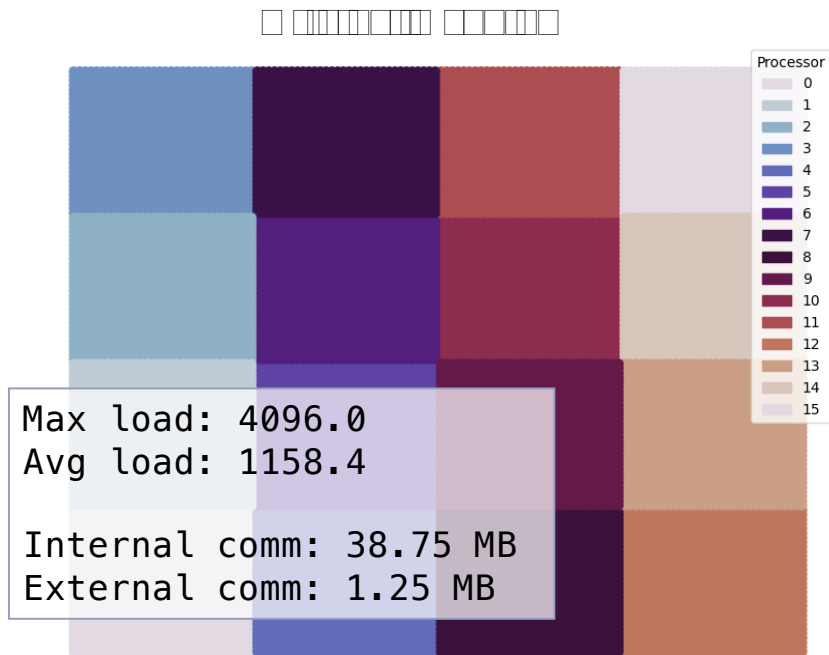
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# DIFFUSION-BASED LOAD BALANCING

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# THE LB SIMULATOR
















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## FUTURE WORK

































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## MODULARITY EFFORTS + COLLABORATION

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# QUESTIONS?

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