Task4: Mapping and Load Balancing

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Goal: allocation of tasks to processors in order to minimize an objective function (*or Cost function*) modelizing program execution time

- Static allocation: **Mapping**
- Dynamic allocation: **Load Balancing**

Mapping tool-box algorithms:

- Exact: $A^\star$
- Greedy heuristics: modulo, LPTF, LGCF
- Iterative methods: simulated annealing, tabu search, diffusion method.

Dynamic load balancing:

- Diffusion load balancing
- Remote procedure calls