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Greedy-Balance:
Start with no jobs assigned
Set $T_i = 0$ and $A(i) = \emptyset$ for all machines $M_i$
For $j = 1, \ldots, n$
    Let $M_i$ be a machine that achieves the minimum $\min_k T_k$
    Assign job $j$ to machine $M_i$
    Set $A(i) \leftarrow A(i) \cup \{j\}$
    Set $T_i \leftarrow T_i + t_j$
EndFor
```