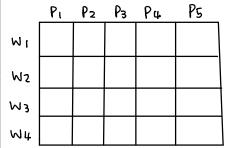


Q: Which Plant (5) Should We close to minimize transpolation + fixed costs while still satisfying warehouse demand?

Decision variables:

- transport [W][p] = quantity to transport from plant p to watehouse W



Objective: Minimize

Constraints:

• capacity respected: ∑ transport [w][p] ≤ capacity[p]

W=1

P=1,2,3,4,5

can be combined

Note: We don't need if $\sum_{w=1}^{l_{\perp}} t_{l} \cdot w_{l} = 0$, then open $p_{l} = 0$

Since Minimization objective will quarantee open[p] =0 Whenever Possible

demand sortisfied: \$\frac{1}{27}\$ transport[W][P] \(\text{Demand EW} \)
 \(\text{W} = 1, 2, 3, 4 \)