



## PIVOTED REDUCER FACTORIZATION

### Why

In pivoted reduction, we obtain a sequence of permuted row reducers.

### Definition

Let  $(A \in \mathbf{R}^{m \times m}, b \in \mathbf{R}^m)$  be a system. The pivoted reducer sequence is a sequence of matrices  $R_1, \dots, R_m$  where



