Given an LU Factorization

1分

Let $A \in \mathbb{R}^{n \times n}$ be a matrix. Suppose that we have computed an LU factorization of A and have stored the $n \times n$ elements of L, U, and P.

What is the *cost* of solving $Ax = b$?

选项*

- $\mathcal{O}(1)$
- $\mathcal{O}(n)$
- $\mathcal{O}(n \log n)$
- $\mathcal{O}(n^2)$
- $\mathcal{O}(n^3)$
- None of these

保存回答 提交最终回答