# CWE Detail – CWE-1176

## Description

The product performs CPU computations using
 algorithms that are not as efficient as they could be for the
 needs of the developer, i.e., the computations can be
 optimized further.

## Extended Description

This issue can make the product perform more slowly, possibly in ways that are noticeable to the users. If an attacker can influence the amount of computation that must be performed, e.g. by triggering worst-case complexity, then this performance problem might introduce a vulnerability.

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## Observed Examples (CVEs)

**•** CVE-2022-37734: Chain: lexer in Java-based GraphQL server does not enforce maximum of tokens early enough (CWE-696), allowing excessive CPU consumption (CWE-1176)

## Modes of Introduction

**•** Architecture and Design: N/A

**•** Implementation: N/A

## Common Consequences

**•** Impact: DoS: Resource Consumption (CPU) — Notes:

**•** Impact: Reduce Performance — Notes: