

# Parallelism Overview

## Continued Solutions

# Task and Data Parallelism

- Briefly explain the difference between task parallelism and data parallelism
  - In task parallelism, a large computational task is divided into smaller sub-tasks
  - Each sub-task is run as a different thread
  - The threads usually perform different work
  - In data parallelism, a large data set is divided into smaller subsets
  - Each subset is processed by a different thread
  - The threads usually perform the same work