Lab 2 - Java Parallel Programming and Sorting Algorithms

- Group X
- Lastname, Firstname and Lastname, Firstname

Task 1: Sequential Sort

We chose to implement MergeSort/QuickSort . . .

Source files:

- `SequentialSort.java`

Task 2: Amdahl's Law

Our Amdahl's law . . .
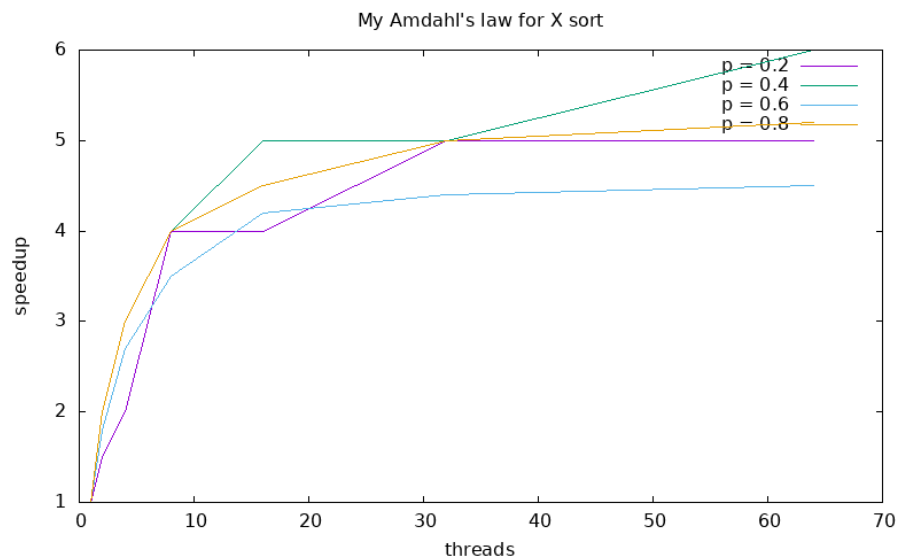
Here is a plot of our version of Amdahl's law . . .

Figure 1: amdahl's law plot

We see that . . .

Task 3: ExecutorServiceSort

Source files:

- `ExecutorServiceSort.java`

We decided to ...

Task 4: ForkJoinPoolSort

Source files:

- `ForkJoinPoolSort.java`

We decided to ...

Task 5: ParallelStreamSort

Source files:

- `ForkJoinPoolSort.java`

We decided to ...

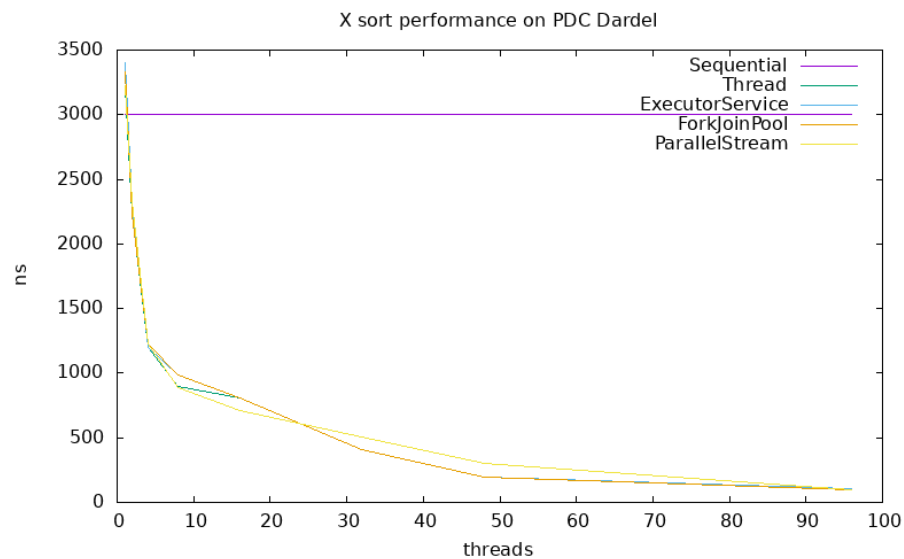## Task 6: Performance measurements with PDC

We decided to sort 10,000,000 integers ...

Figure 2: pdc plot

We see that ...