

## Problem 1

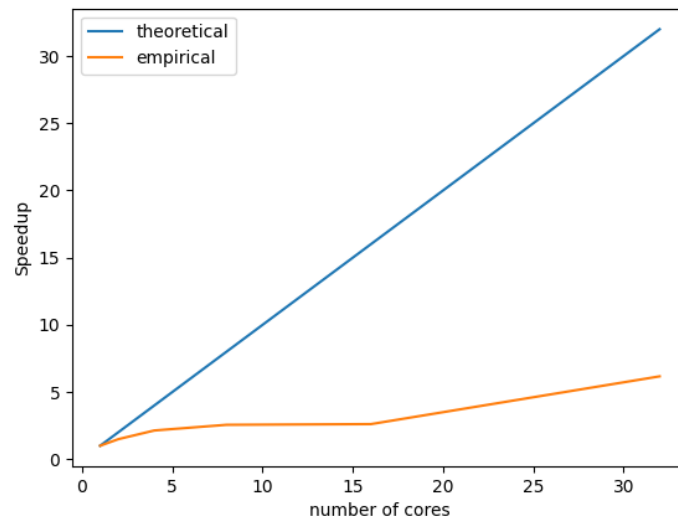


Figure 1: Speedup graph for k-means with different number of cores

## Problem 2

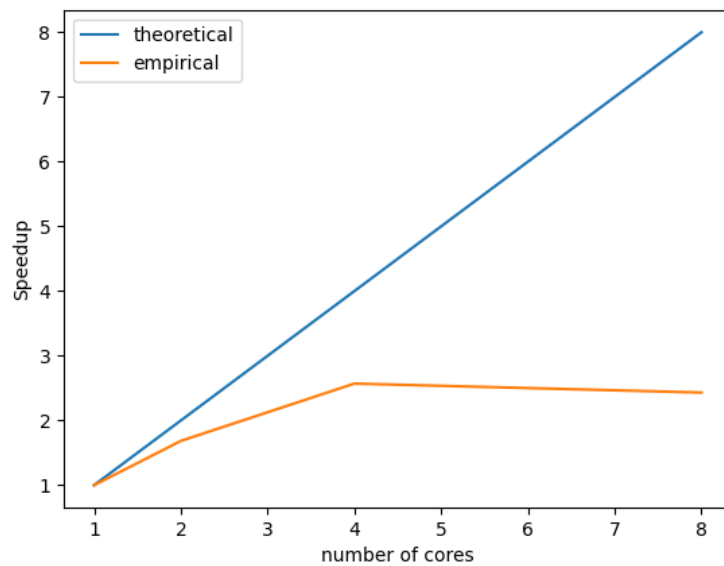


Figure 2: Speedup graph for MRSummary with 10M lines of data