

Worksheet #7: Analysis of Map Reduce Example

Analyze the total WORK and CPL for the Map reduce example:

- Assume that each Map step has $WORK = \text{number of input words}$, and $CPL=1$
- Assume that each Reduce step has $WORK = \text{number of input word-count pairs}$, and $CPL = \log_2(\# \text{ occurrences for input word with largest } \# \text{ pairs})$

