

Figure 4: CPU Utilization and I/O Wait of Data Dwarfs.

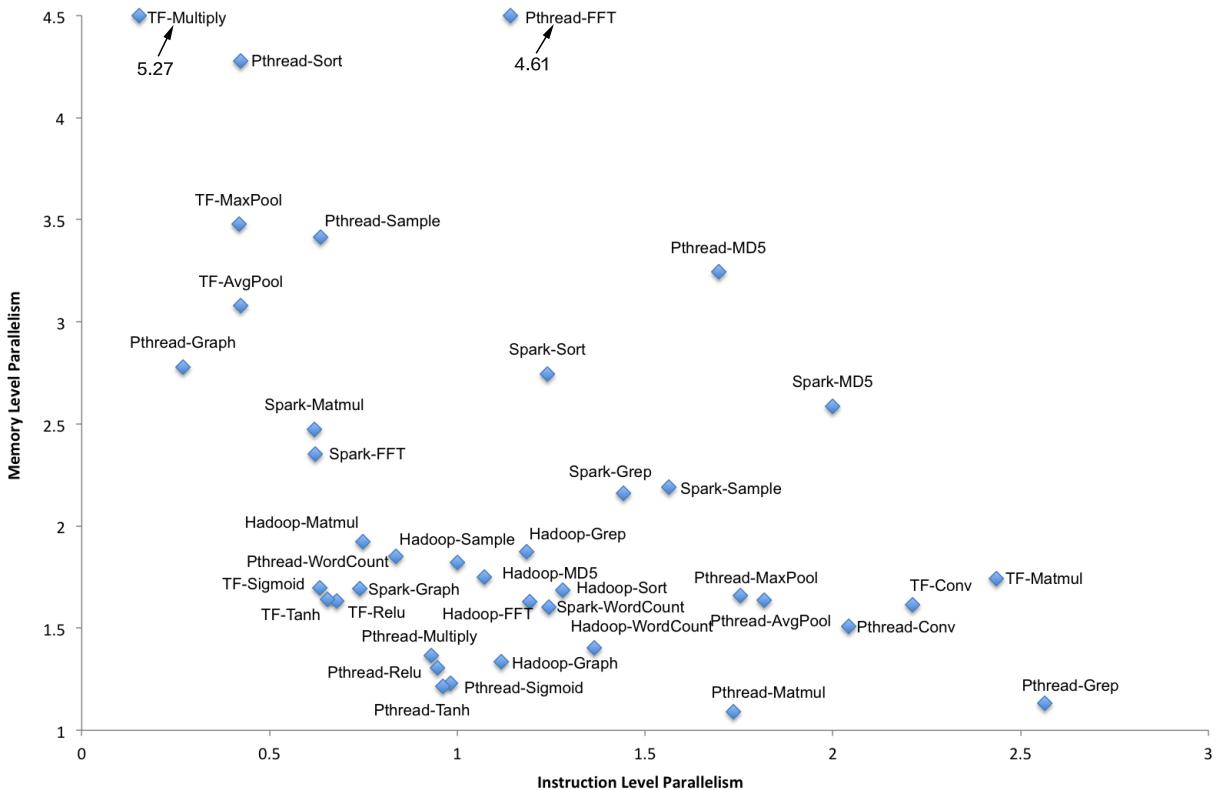


Figure 6: Execution Performance of Data Dwarfs.

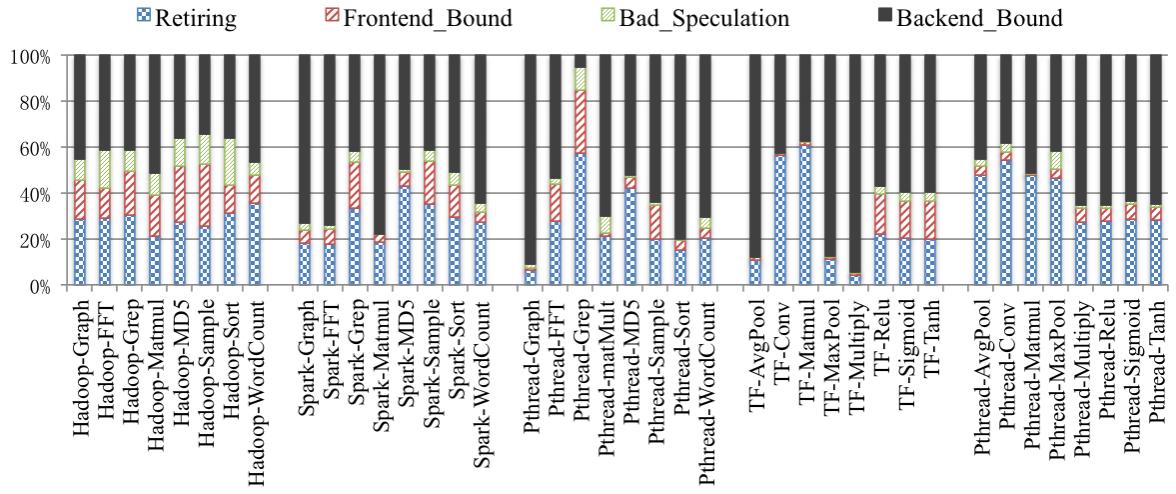


Figure 7: The Uppermost Level Breakdown of Data Dwarfs.

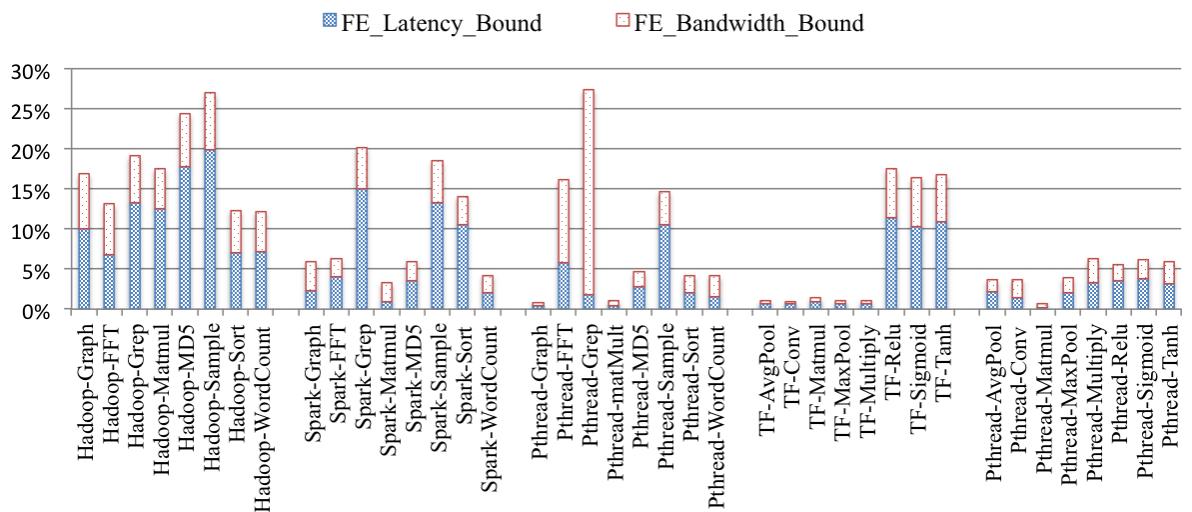


Figure 8: The Frontend Breakdown of Data Dwarfs.

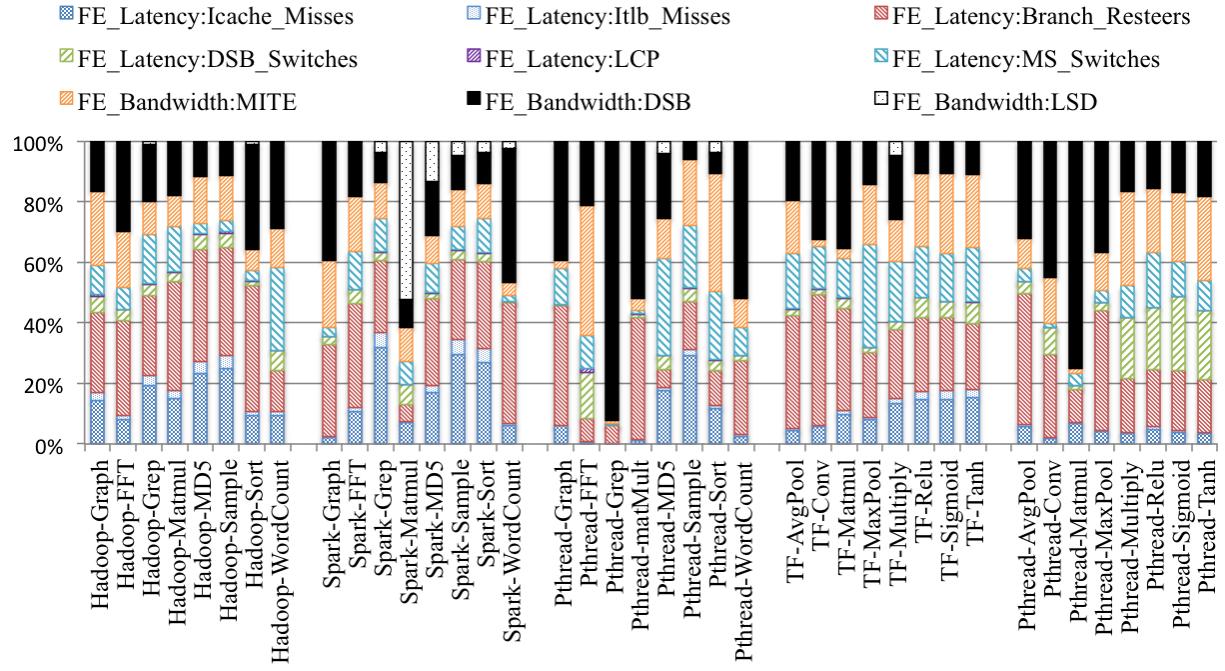


Figure 9: The Frontend Latency Breakdown of Data Dwarfs.

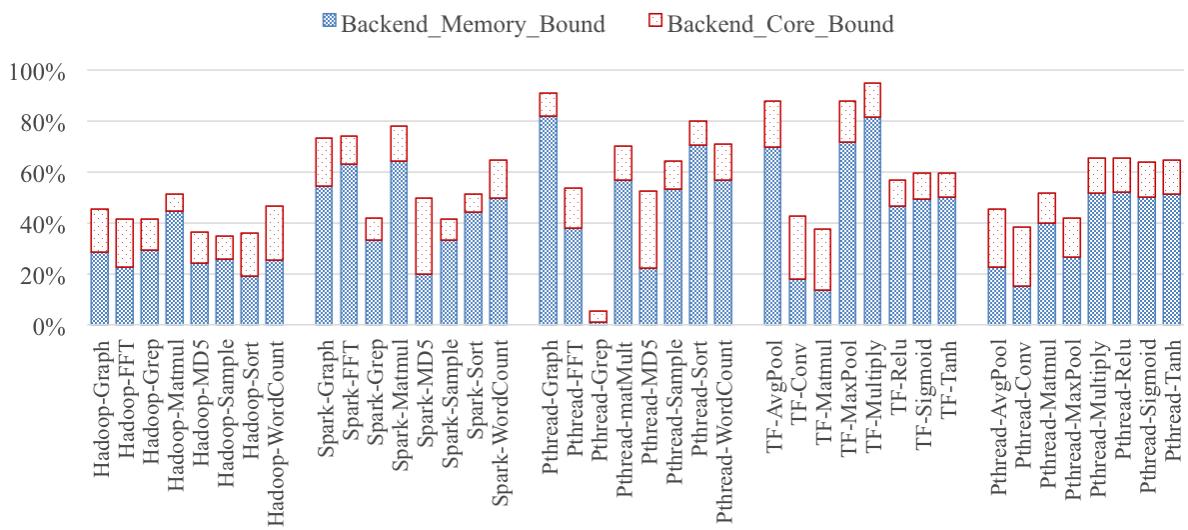


Figure 10: The Backend Bound Breakdown of Data Dwarfs.

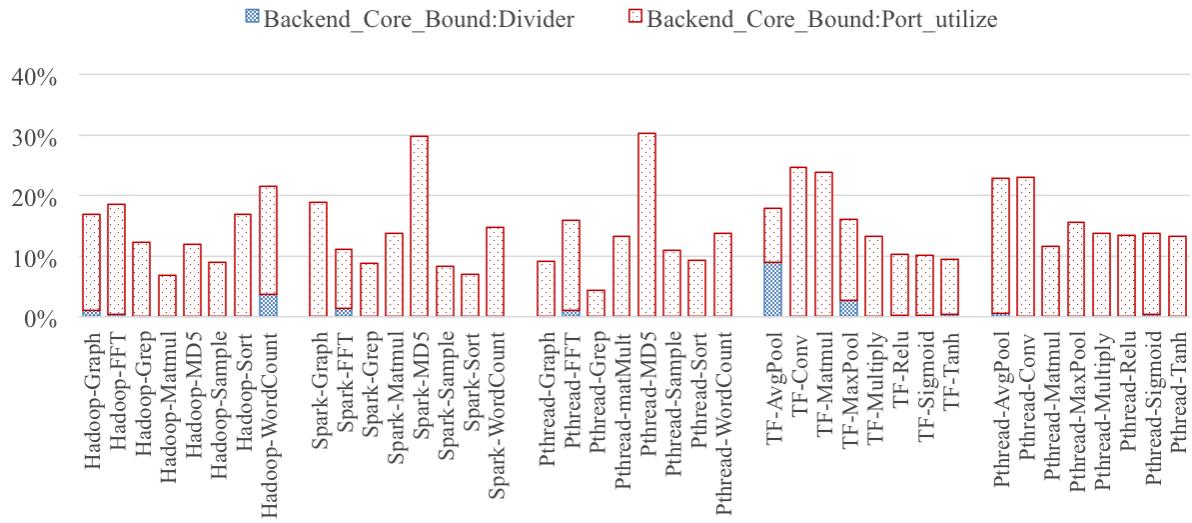


Figure 11: The Backend Core Bound Breakdown of Data Dwarfs.