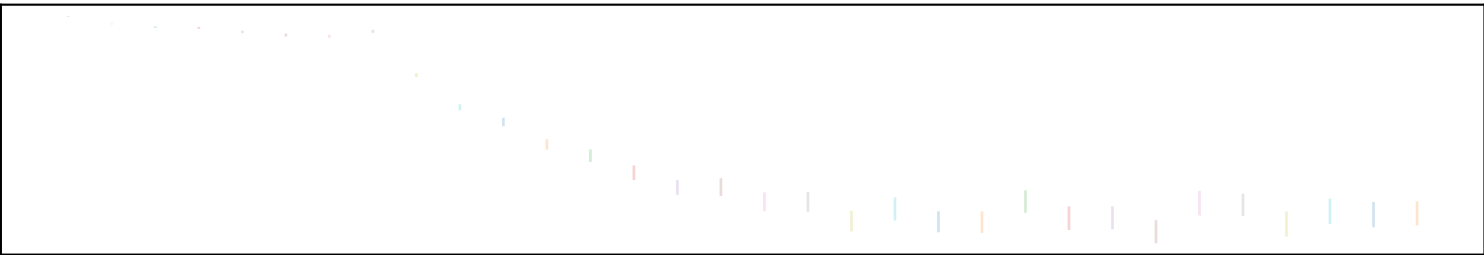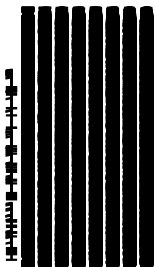Memory Comparison