SelectionSort – Practical Improvements

- **Cache the current minimum value**
  - Keep minVal = a[i] alongside minIndex. Compare a[j] to minVal (a local variable) instead of repeatedly reading a[minIndex].
- **Guard the timer with try/finally**
  - perf.startTimer(); try { ... } finally { perf.stopTimer(); } to ensure consistent timing.
- **Early exit for tiny inputs**
  - if (n < 2) return; to avoid loop overhead.
- **Optional metrics switch**
  - Add a boolean metricsOn to disable counters during pure timing runs (lower overhead in benchmarks).
- **Stable variant (if needed)**
  - Replace swap with block shift: System.arraycopy(a, i, a, i+1, minIndex - i); a[i] = key; (stable but more writes).
- **Hybrid cutoff**
  - For large n, delegate to a faster sort (Quick/Merge/Heap), keep Selection Sort only for very small partitions.