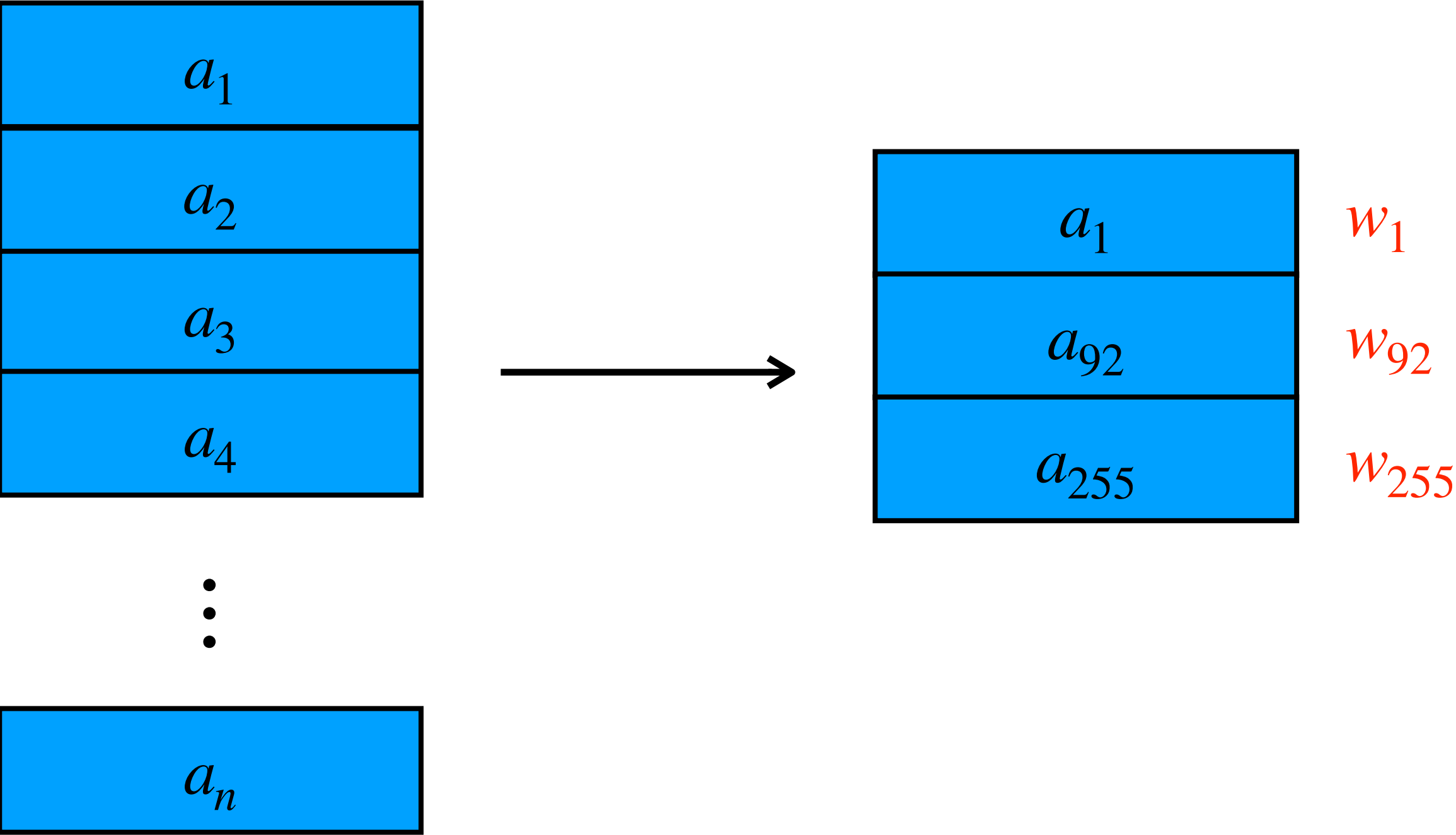


Coresets



How is Sketching Useful?

Classic Setting

- Compute a linear sketch of A quickly
 - E.g., CountSketch can be applied in $\text{nnz}(A)$ time
- Problem can be solved on $\text{sk}(A)$ quickly