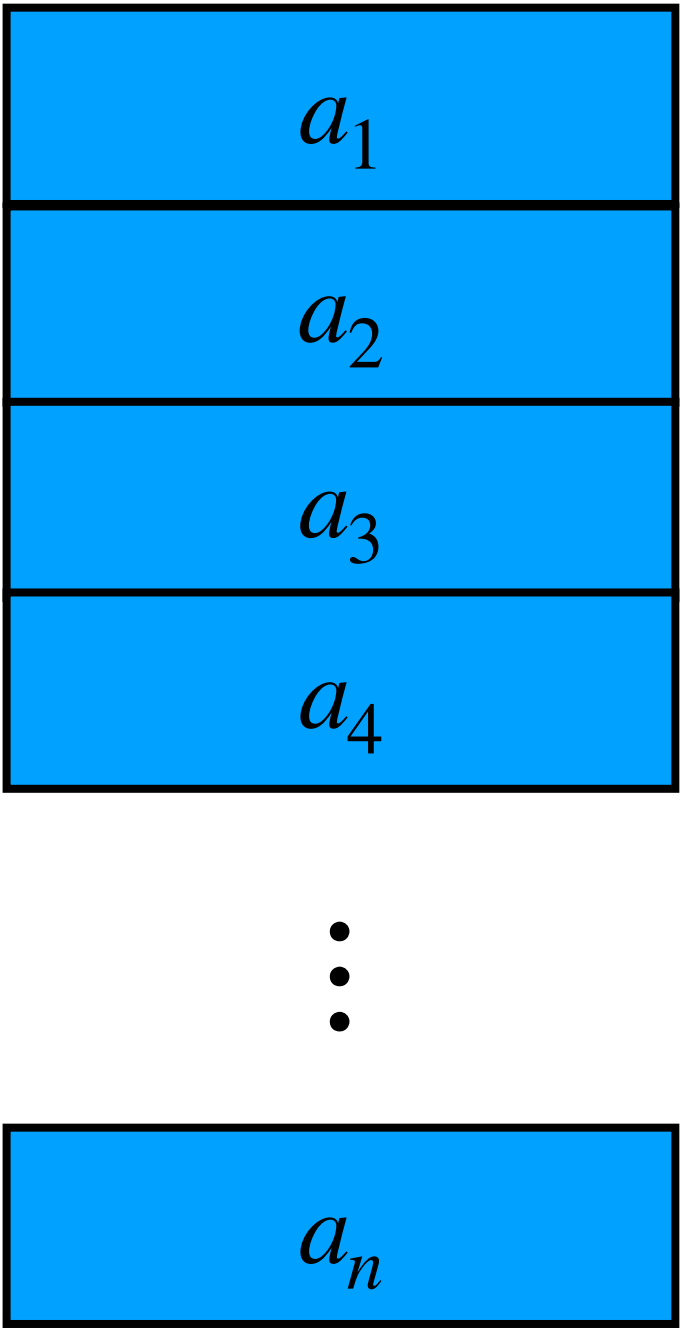
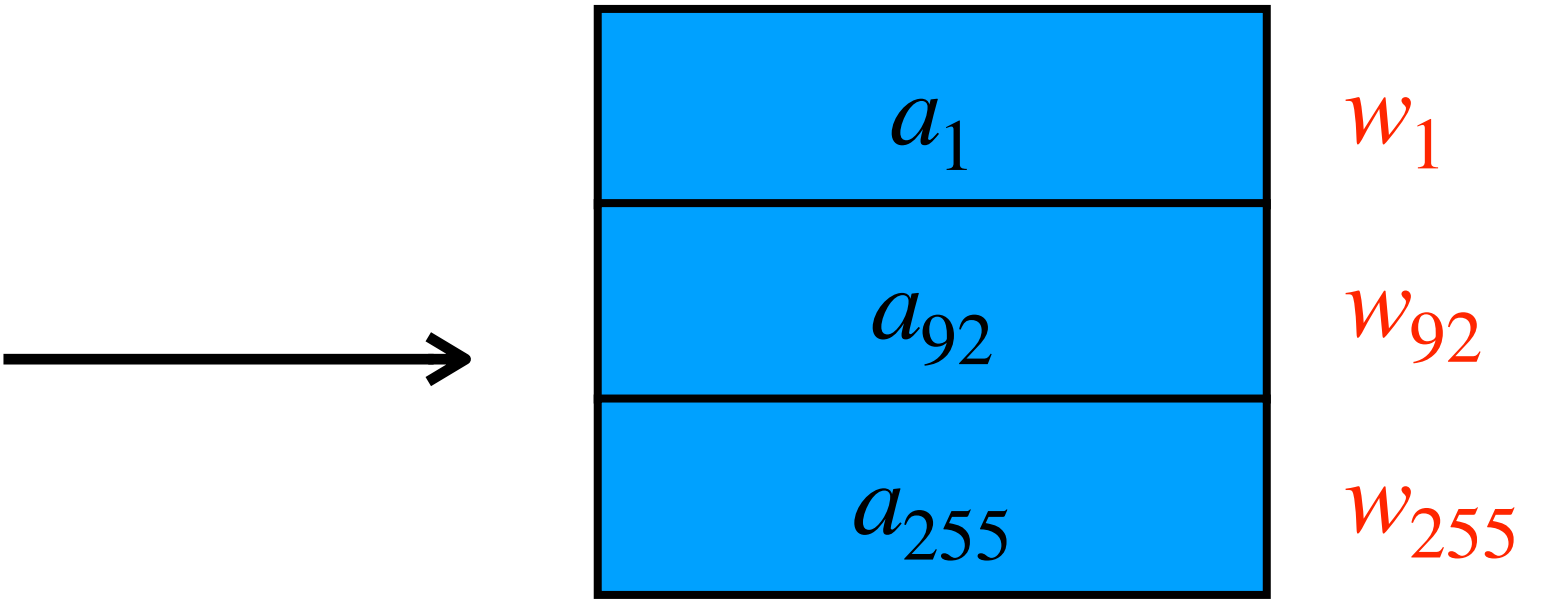
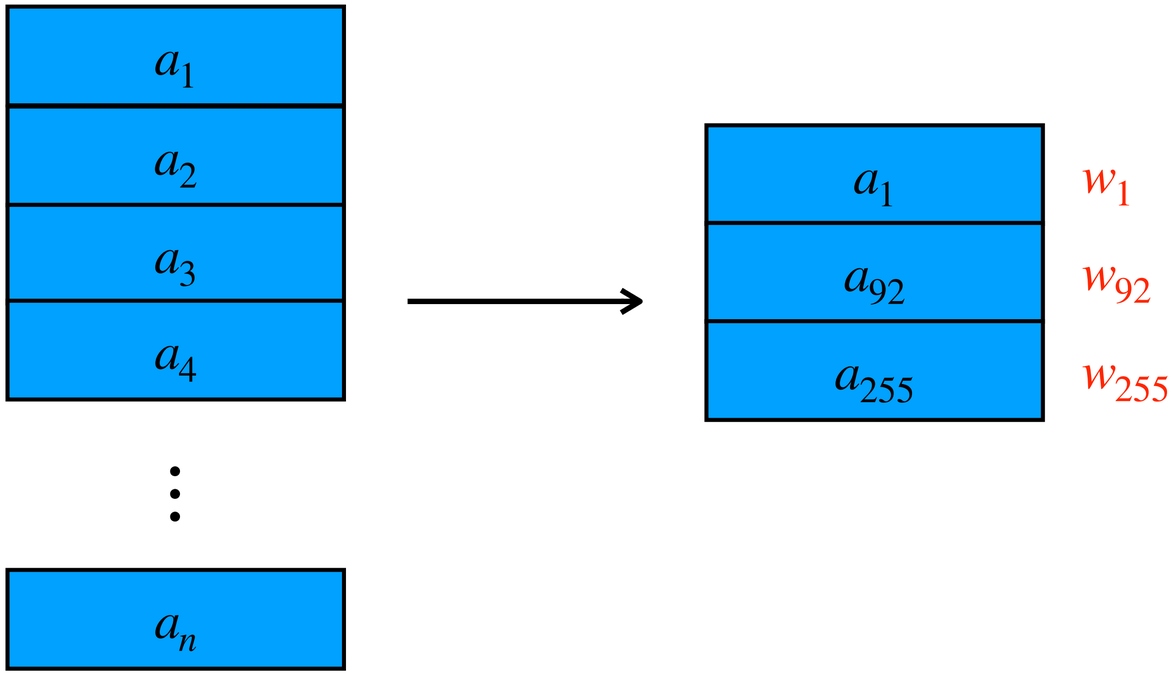
Coresets


a_1
a_2
a_3
a_4
a_n


a_1
a_{92}
a_{255}
w_1
w_{92}
w_{255}

Coresets



How is Sketching Useful?

Classic Setting

- Compute a linear sketch of A quickly
    - E.g., CountSketch can be applied in nnz(A) time
- Show that a solution can be found using sk(A) quickly