

How is Sketching Useful?

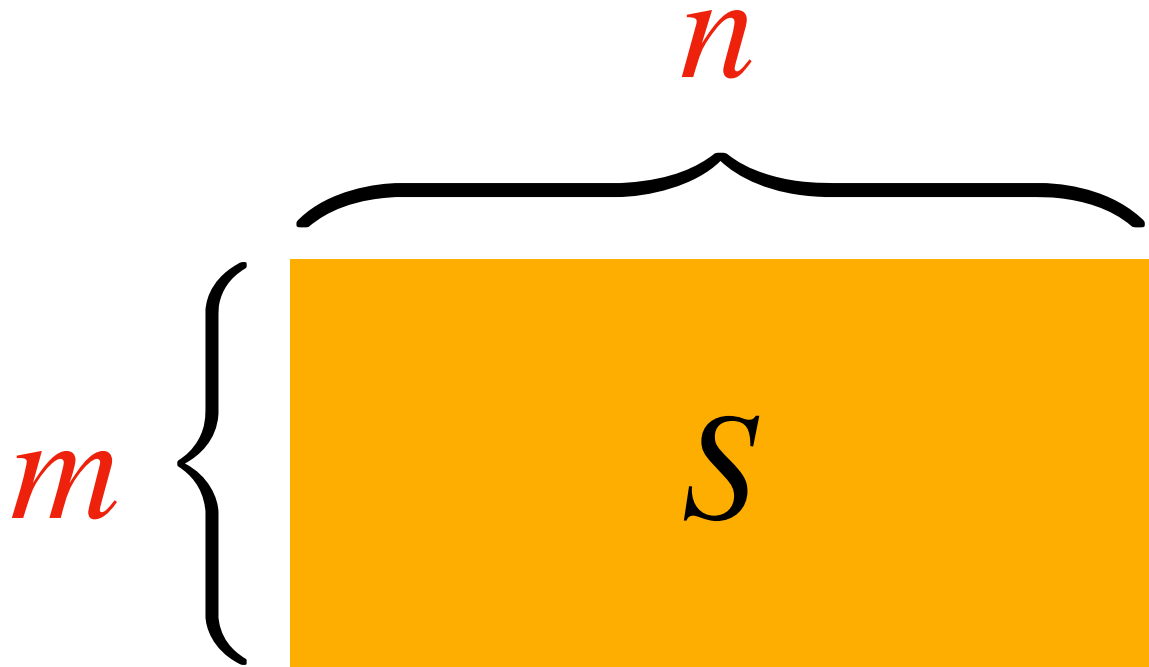
Turnstile Streaming

- S can be stored using small space and n small \Rightarrow Small space streaming algorithms!

- S_{*i} can be retrieved quickly \Rightarrow Fast update times

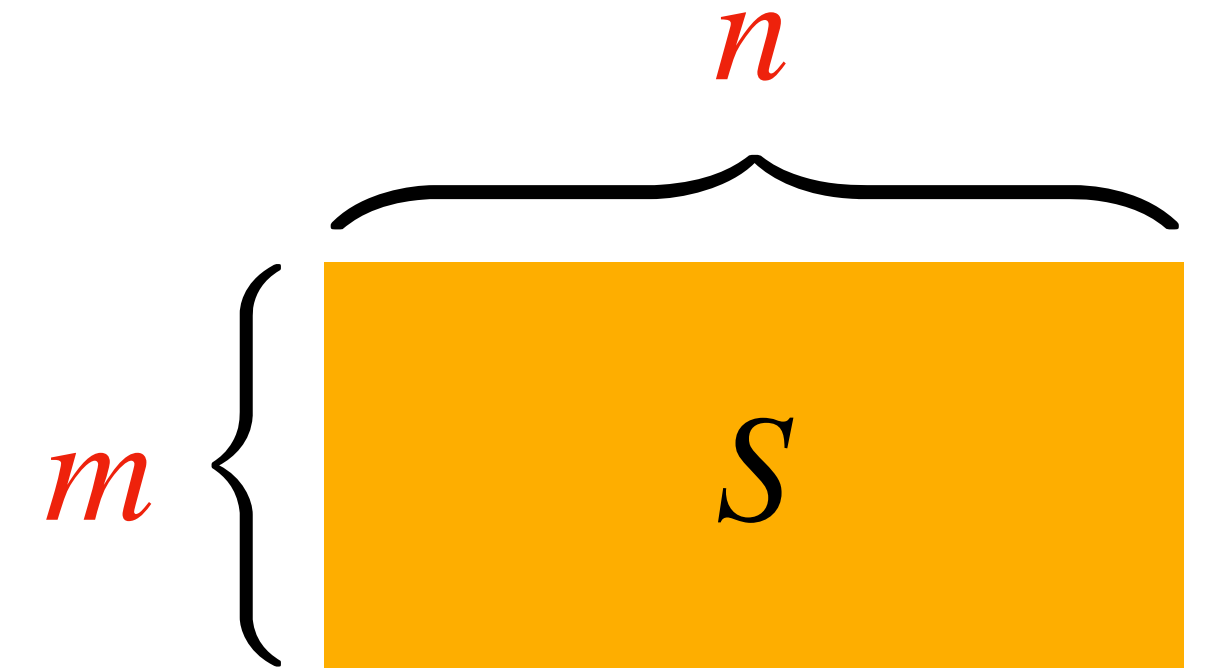
• will discuss how we obtain sparse-optimal algorithms with fast update times





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 - I will discuss how we obtain space-optimal algorithms with fast update times

Our Results