



**LR Avia Linear Measurements**

A

$S_1$

**Mesasure**

**with**

and get  $\langle \text{vec}(A), \text{vec}(S_1) \rangle$

$S_2$



and get  $\langle \text{vec}(A), \text{vec}(S_2) \rangle$

$$S_3$$

and get  $\langle \text{vec}(A), \text{vec}(S_3) \rangle$

- Output  $B$  at the end

- Non-adaptive algorithms decide all  $S_i$  upfront

# LRA via Linear Measurements

Measure   $A$  with   $S_3$  and get  $\langle \text{vec}(A), \text{vec}(S_3) \rangle$

- Output  $B$  at the end
- Non-adaptive algorithms decide all  $S_i$  upfront

# Linear Measurements vs Matrix-Vector Products