



**What can a deterministic algorithm do?**

• Starts with deterministic matrices  $S_1^{(1)}, \dots, S_t^{(1)}$  and obtains



- Based on responses, pick  $S_1^{(2)}, \dots, S_t^{(2)}$  and so on

- Assume  $\text{vec}(S_i^{(j)})$  are orthonormal w.l.o.g

- Are first round responses enough to pick good measurements in second round?

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