What can a deterministic algorithm do?

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

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

- Assume 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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Deterministic Algorithm