More hidden bits

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Secret matrix $M \in \mathbf{F}_2^{100 \times 200}$.

Reader sends $d \in \mathbf{F}_2^{100}$.

Tag generates $e \in \mathbf{F}_2^{100}$, sends $M(d,e) \in \mathbf{F}_2^{100}$. Tag also sends e with 20 erasures.

Reader searches all 2²⁰ possibilities for erased bits.

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Improved reader algorithm: recompute e from M(d, e) by linear algebra. Insist on $M(0, \cdot)$ invertibility.

Improved algorithm allows erasing many more bits.