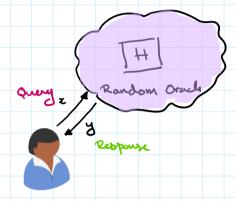


Random Oracle Madel [Bellare-Rogausay 33]

Model a hush Justion e.g. SHA256 (·) as if it were a truly random Justion H.



- We prove things to be secure in this idealized model in theory.
- In practice, we replace the random oracle with a dixed hush Justion and treat security as hewistic.

Commitmete in the RO Model

(m)r) = H(m/r)

- 1 Hiding Rundon Juction hides its input
- 2) Bruding Hond to find colliding imputs for a random justion

