cryptographic hush function: 智马学中的 hush 函数 组质:

Oco liston reststance: 哈希廷撞.

x + y, H(x) + H(y), RI collision resistance.

但是,无好办法从制造 collision resistance.

用逢: 对 message 作 dīgest

H (m) is the digest of m

一旦 似更设M,则 H[m] 不可能不变

no hash function can be proved collision resortance in the mothemetics.

9给WX,可维 HU, 但研8由的推X。

hi ding

digital commitment = collision resistance + hiding digital equivalent of a sealed envelope

H [X II non ce) 保证输入维度 big enough.

③puzzle friendly:哈希值的计算不可标测

want a hash value:

H (x) = 0000 -- rxx # x block hard.

挖矿: 找一个Nonce,与皮块组合表端

18H (block header of nonce) in target space

puzzle triendly

bition \$ hash function: SHA-256

签名

·) 附籍的 \$\$\$中的 \$\$\$户管理 创立 公一 \$h 钥 \$7\$ 即可. [pub lic key, private key) this opinion comes than asymmetric encryption algorithm 卫智用公银 解密用 \$4 锅

A want to send a message to B, then:

A should use the public key of B to process the message, and B use the private key of homself to explain the message.

-2. 登名

ASB lo bitan.

sign 用A的PVK, others 用A的PVK来加付出