Addendum: Message Authentication Code

Context

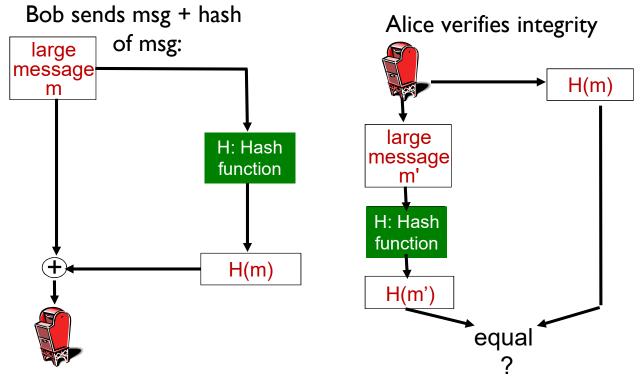
Unfortunately, the slides don't cover Section 8.3.2 of the text: Message Authentication Code (MAC)

We will refer to this material several times in subsequent sections.

Addendum 8-1

Review: Message integrity (without authentication)

Section 6.2 (EDC)



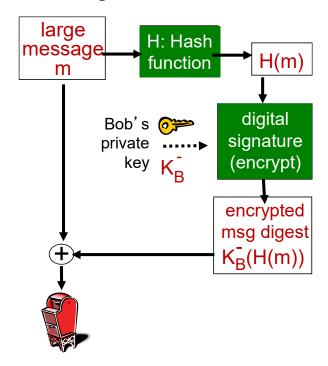
Think "Hash = Internet Checksum" or "CRC"

Addendum 8-2

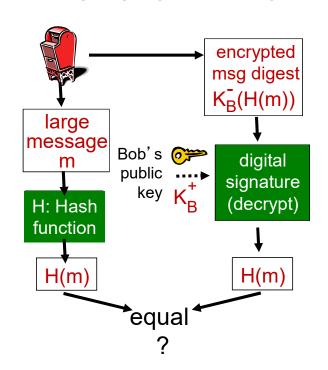
Review: Digital signature = signed message digest

Slide 8-49

Bob sends digitally signed message:



Alice verifies signature, integrity of digitally signed message:



Addendum 8-3

MAC = message digest with shared secret

Message Authentication Code

