

#34 MD5 Algorithm (Message Digest 5) Working and Example |CNS

Generated on December 19, 2023

Summary

Notes	Screenshots	Bookmarks
⊕ 0	13	ŢО

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* MD5 (MESSAGE DIGEST-5):

- developed by Rivest

- fast and produces 120 bit message digests

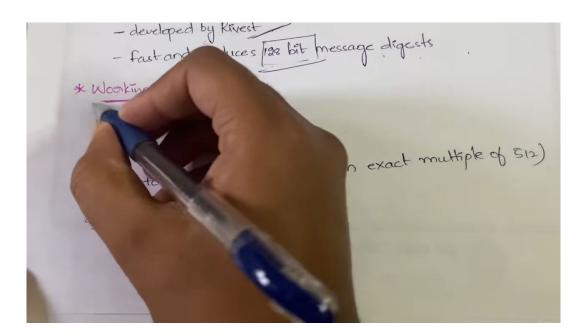
* Wooking of MD5:

(1) Padding:

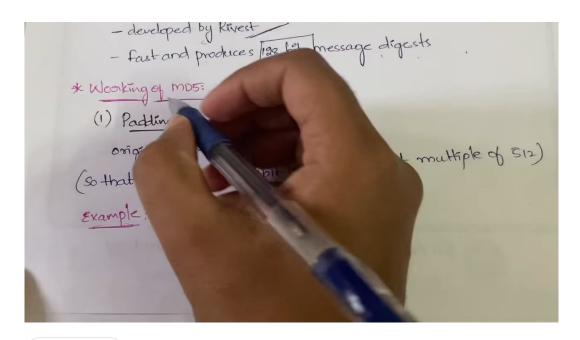
original message + Padding

(So that total length is 64 bit less than exact multiple of
```

▷ 0:18



▷ 1:18



▷ 1:18

- fast and produces list message angul.

* Wooking of MD5:

(1) Padding:

original message t(Padding) extrabits

original message t(Padding) extrabits

(so that total length is 64bit less than exact multiple of 512)

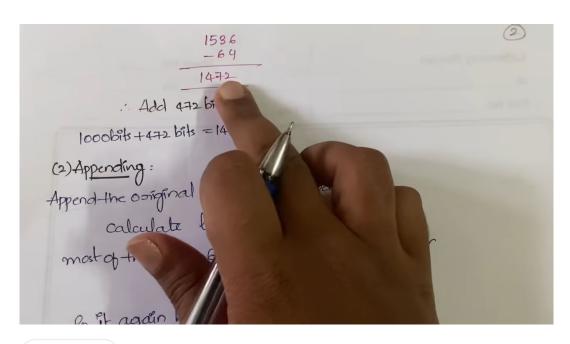
Example: original msg = 100 obits

512x1 = 512 bits

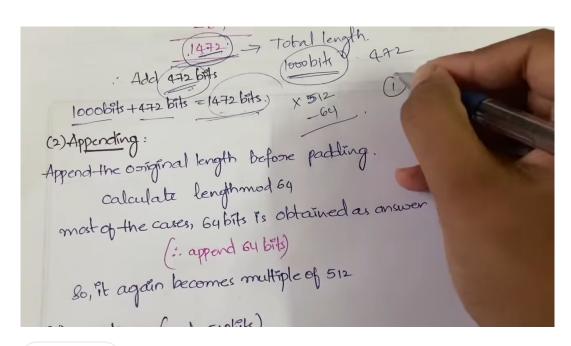
512x2 = 1024 bits

512x3 = 1536 bits.

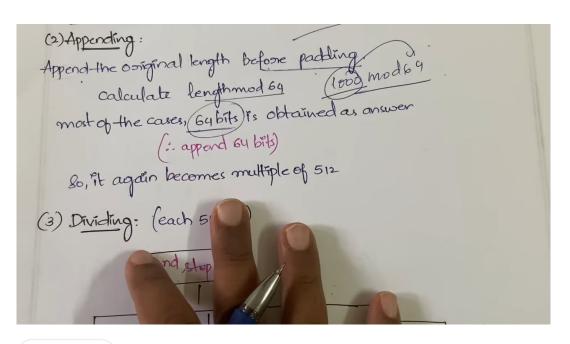
▷ 1:41

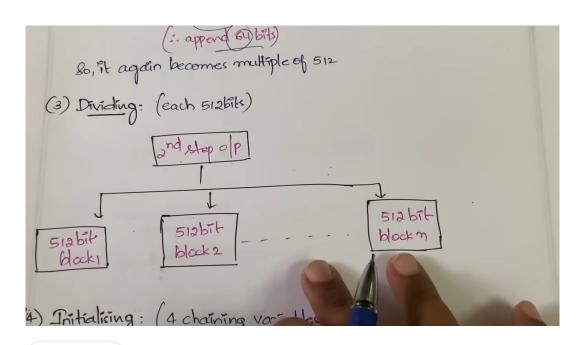


▷ 3:22

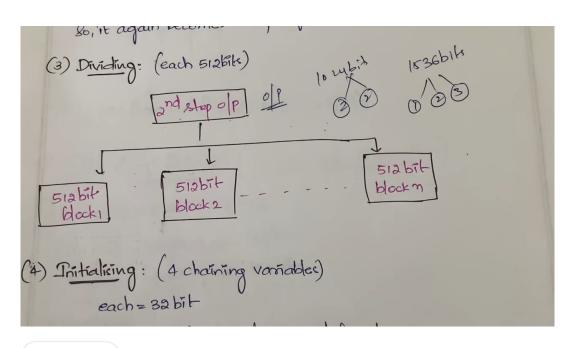


▷ 4:05

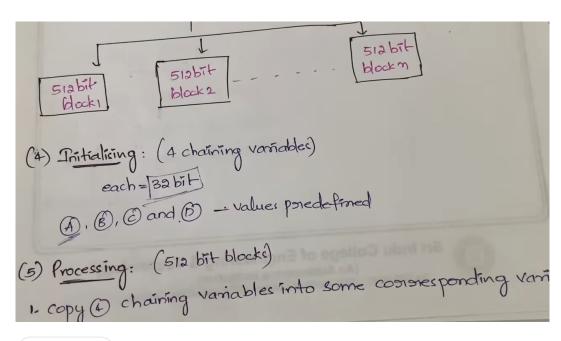




⊳ 5:00

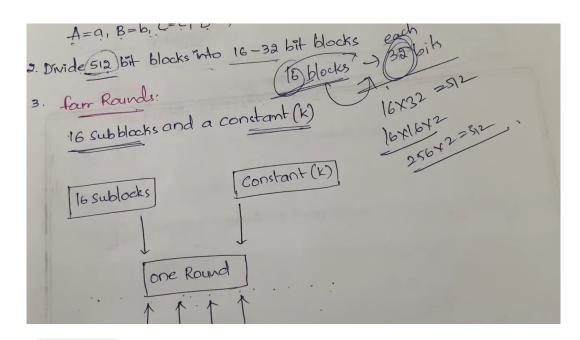


⊳ 6:07



⊳ 6:30

∇:11



▷ 8:19

▷ 9:04