hash lased data structures

One time hash based signatures

- Lamport Signature

Key ser

How bigs is private key?

|sk|= 272

- SPHINGS

ho ho ho ho

ph = hrust

Sign (5k, 010 ... 67) =

6, m,

m',6'

~ binternit Z. -

- Referend delegat No

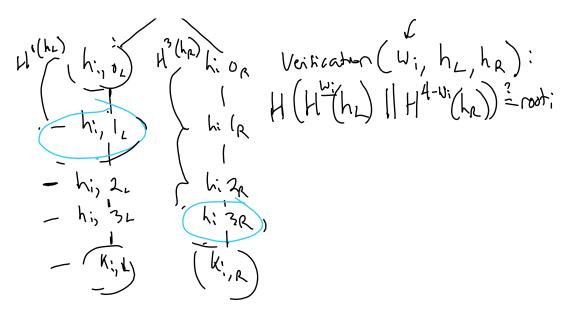
Lemport

h;,0 h;,1 = H(k;,1)

Wintenste

W. D. E (0, 1,2,33)

ed. 1



Refereed Delegration Ust Source horker x= 2(x), 4 Searchy goal: E of & Prove ZK { (): Y= I(x)} · Client accepts Y, Any-trust setting then y= S(x) N Sover, assume at least 1 Cheak, & all equal 1 sever is hinest 2. Run a rewrilliation protocol to End & correct serve. 0(181) Perhamma goal. Verties Lork = O(N.log/81)

Idea
$$S(x) = g(g(g(x, \dots, g(x))))...)$$

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$$= g(g(g$$