```
Pro642
let k=key len inbits
    p = numeric val of 800 asn. 1 hash's
   t = len of b in bits
   X = offset in bits from right
N=2+-D should be a miliple of 3,
             treak hash if recessary
Desired output
  00 of ff ff .. ff 00 asn. I hash garbage
 15 bits
Achievable with
 2 k-15 - 2 k-x+t + 12 k-x + garbage
When 2 k-15 - 2 k-x++ gives of ff ff .. ff 00 00 .. 00
                                               K-x + + bits
      D2 k-x gives 00 asn. 1 hash 00 00 .. 00
                      D having + bits K-x bits
```

and garbage being less than 2 K-x+1 and so not impecting D

$$(A-B)^{3} = A^{3} - 3A^{2}B + 3AB^{2} - B^{3}$$

$$|e+A=2^{\frac{k-15}{3}}|$$

$$B = \frac{N}{3}2^{k-x-2(\frac{k-15}{3})}$$

$$|e+A=2^{\frac{k-15}{3}}|$$

$$|frem | Finney | finney$$

therefore so long is

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