

两个问题

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- 隐私问题
- 快速对账问题

哈希函数 hash

世界上没有两片完全相同的叶子

每一个事物都有自己的特征

Hash函数可以提取数据的特征

数据




hash函数



一串固定长度的特征码


906b400bf50f7a08b1be4e6ad6f64d62f850165fa2ab4f8907a8ac0ebf54cbd5

f() \Rightarrow 906b400bf50f7a08b1be4e6ad6f64d62f850165fa2

f("hello") \Rightarrow aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d

f("hello.") \Rightarrow 19bd4372b8ff2951d98be504333a88e35c9f8d0b

f("hello")  aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d

f("hello.")  19bd4372b8ff2951d98be504333a88e35c9f8d0b

f("A私有信息") \Rightarrow aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d

f("B私有信息") \Rightarrow 19bd4372b8ff2951d98be504333a88e35c9f8d0b

c390acd20ace



19bd4372b8f5



384e3a6ff68b5



7e2e79e1ba6e



f()



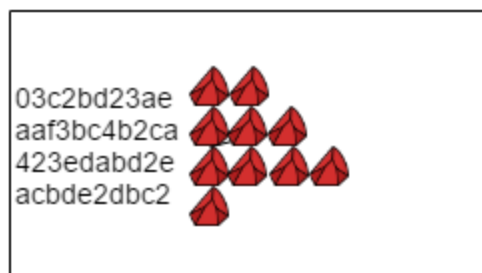
aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d

||

f()



aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d



f()



aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d

||

f()



aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d

aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d



aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d



aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d



aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d



aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d



aaf4c61ddcc5e8a2dabede0f3b482cd9aea9434d



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