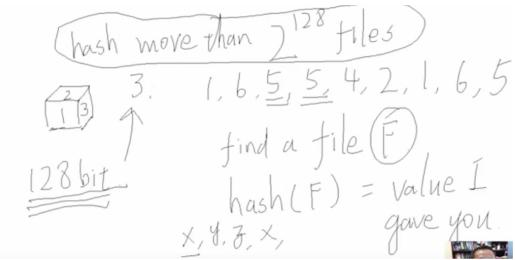
4.1 - Q and A about Hash and Symmetric Encryption: Part 1

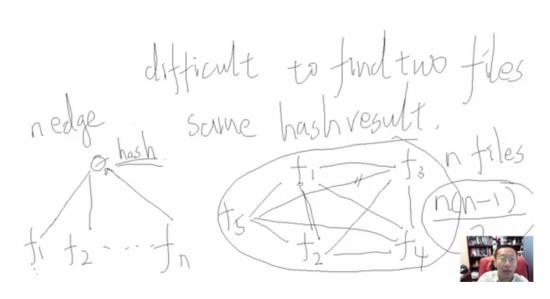
QD Is it possible that you hash the same message twice and get different results?

ans: If the hash function and message are same, then we get same result whenever we hash.

(22)



There is no guarantee that we will find the hash value in 2^{128} files. However, we may find two some files have same results. However, that value is not we want.



4.1 Q and A Part 1 strong 1 1 2 2 d 101 2 128 different hach regalt (possible bach J give you hash result (120 bit) so is it possible to find o file it where
hash (1) = given 128 bit hash.

a:- How can it possible that to find such
files we need to hash more than 2178 files? Ans: - Remember Dice problem. First property of Hack For Second in prop of houte For For a given hach you you con't find two fites can't find file having having same hash value. same har wall two arbitary files. This makes a star Stape . Compairing bout This forms Metriork . edges with cray file. n liler n (n-1) Haus-collision I This is wore demonding then star shape.