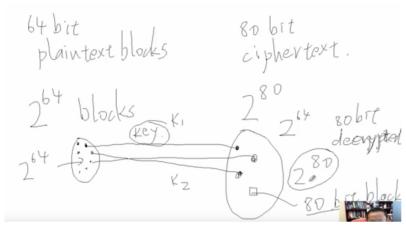
## 42 - Q and A about Hash and Symmetric Encryption: Part 2

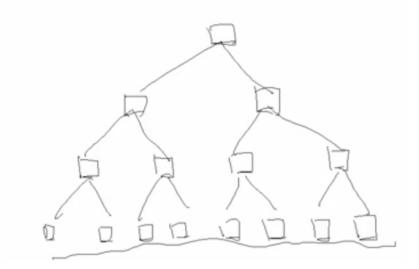
QD How the two files can have same hash results?

Ans: The number of files available are greater than  $2^{128}$ , so it is possible to find two files having same hash value. However, it will be difficult task.

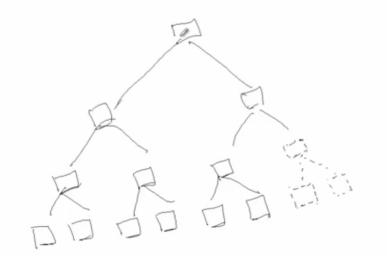
(22)



Q3) What if the number of nodes in Markel's hash tree are odd?

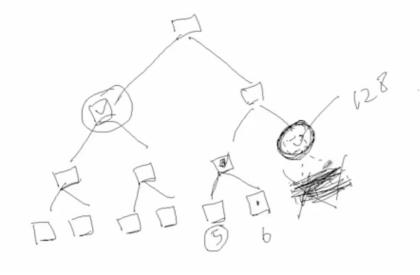


1. Generate Fake nodes.



/ Here we are adding two take leaf nodes.

2. Generate the fake node only when required.



42 Q & A part 2 1 1001 fe bio B his	
(a) We have 128 hash result	
we have 2128 posible hash values?	
How con tues merages have same hash	results?
The state of the s	
Ans: Yes there are files with same has	ly value
that is the reason we prereasing bit	size.
- How that I will not not well	0
1) Pal Horo is it possible that a block cipher,	that
Should have matching plain test and sigher test blocks have an cipher test	a
cipher tent blocks have an cipher test	.float
is longer than the plaintext?	
It is possible that expla test longer than	
wish place feet . The said of the said of the	
wish dead shirt is good the trap over	
a3) Question about Markle's haut thee.	
That is a key or store	
There are two approaches.	
1. Generate two Jake nodes.	
(1.479 315) / 9	
6 4	