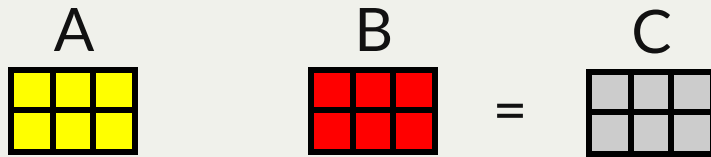# The Power of XOR

- There are better ways to have recovery data than simple replication
- Exclusive OR (XOR)
- Suppose we have two drives, A and B
- One extra drive C: C = A B
- If B fails, then you can recover B: B = A C

A   B   C

 =

A	B	C
0	0	0
0	1	1
1	0	1
1	1	0