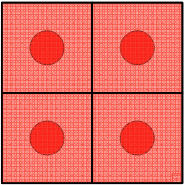
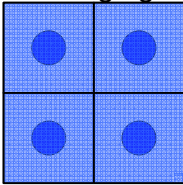


Original 2 x 2 LEGO
BRICKS (Red & Blue)

R-base
fixed

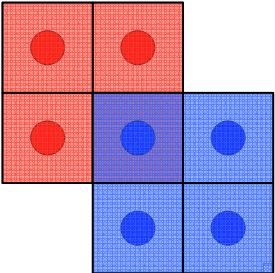


B-top
changing

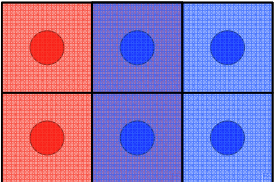


How Many Combinations I
can make out with RED as
base and changing BLUE on
top and that will be an
'EVEN' or 'ODD' number?

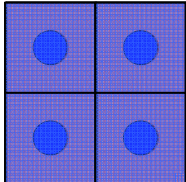
1



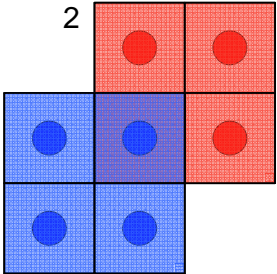
5



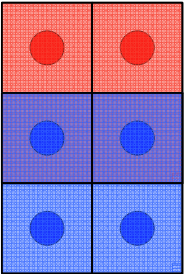
9



2

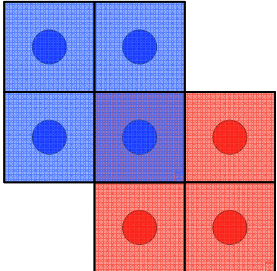


6

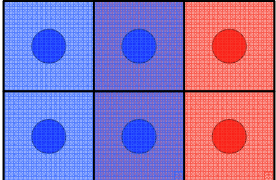


Total Combinations = '9' and that
is 'ODD'

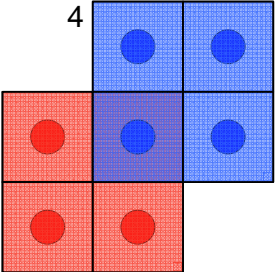
3



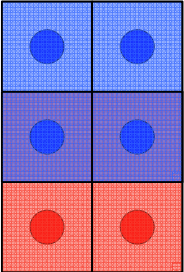
7



4



8



So now if change base to Blue and
move Red we will get another 9
combinations and so total will be
"18" and that is "EVEN".