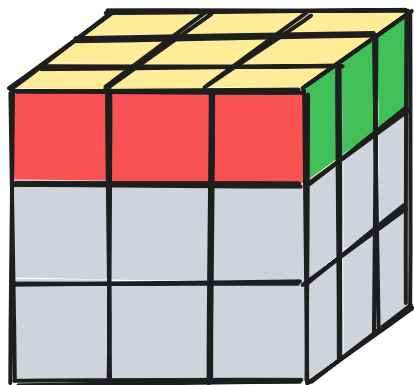
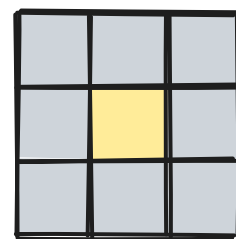


3x3 LAST LAYER

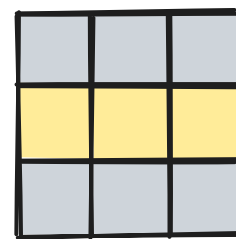


OLL algorithms

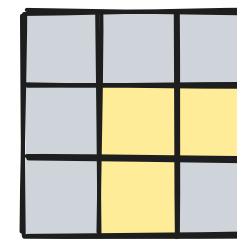
1)



$F R U R' U' F'$
 $f R U R' U' f'$

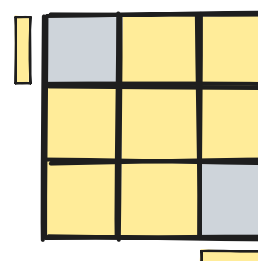


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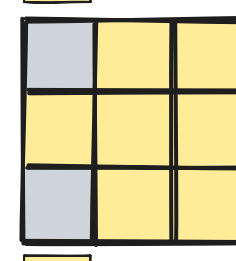


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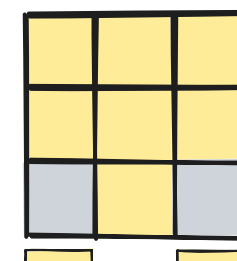
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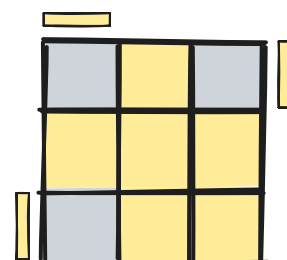
$F' r U R' U' L' U$



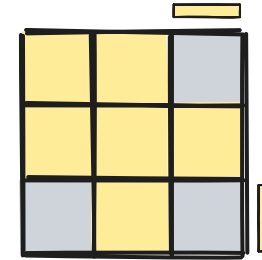
$r U R' U' L U F'$



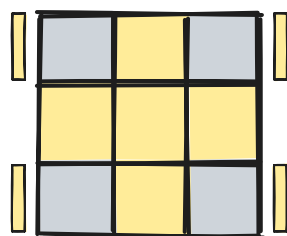
$R^2 D R' U^2 R D' R' U^2 R'$



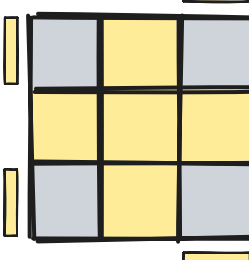
$R' U^2 R U R' U R$



$R' U' R U' R' U^2 R$



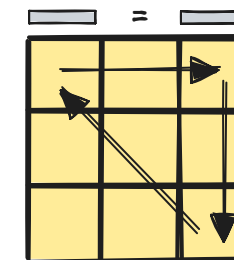
$R U R' U R U' R' U R U^2 R'$



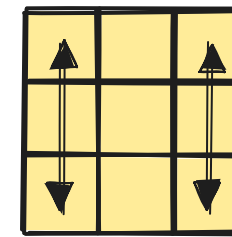
$R U^2 R^2 U' R^2 U' R^2 U^2 R$

PLL algorithms

3)

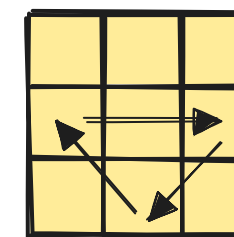


$x R' U R' D^2$
 $R U' R' D^2 R^2 x'$

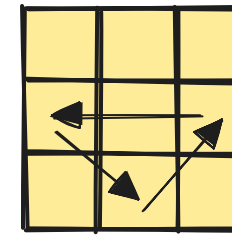


$x' R U' R' D R U R' D'$
 $R U R' D R U' R' D' x$

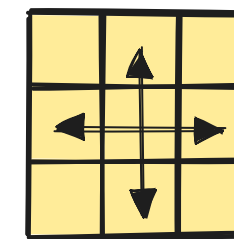
4)



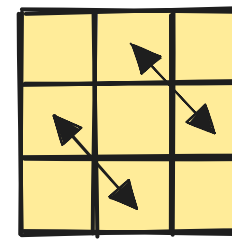
$R^2 U R U R' U' R' U' R' U R'$



$R^2 U' R' U' R U R U R U' R$



$M^2 U M^2 U^2 M^2 U M^2$



$M^2 U' M^2 U'$
 $M' U^2 M^2 U^2 M'$