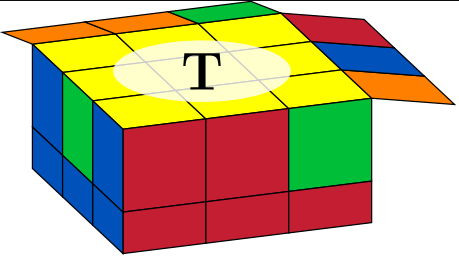
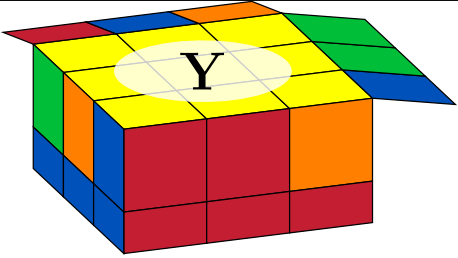
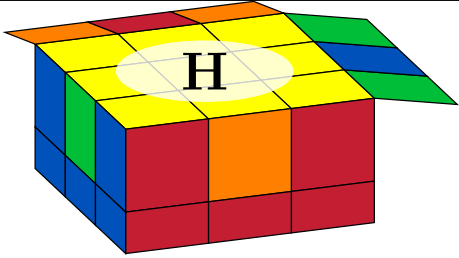
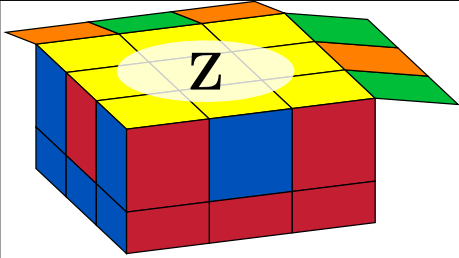
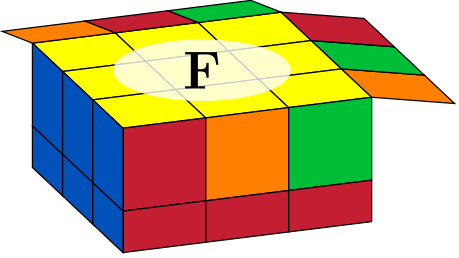
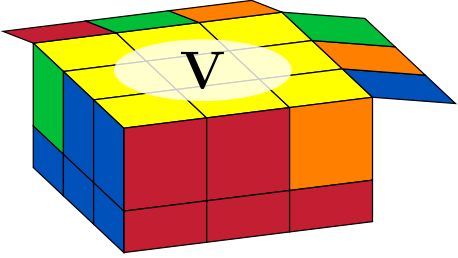
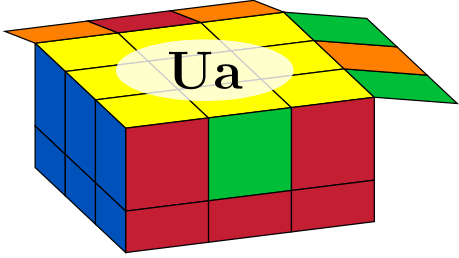
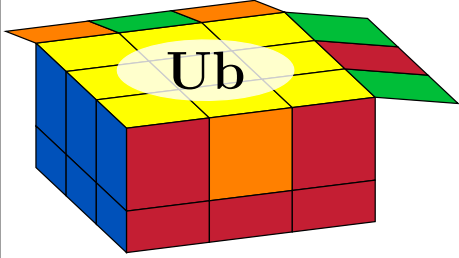
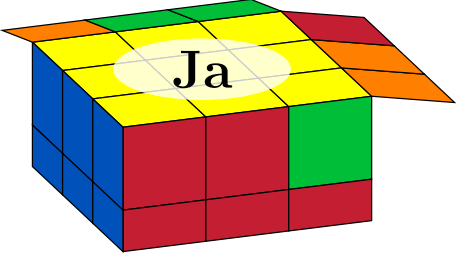
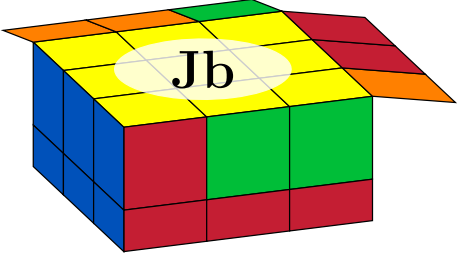
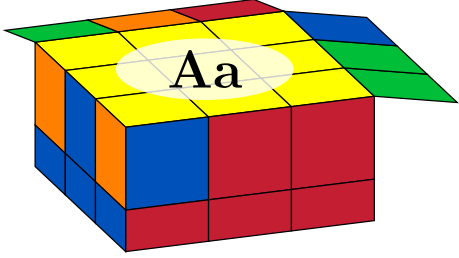
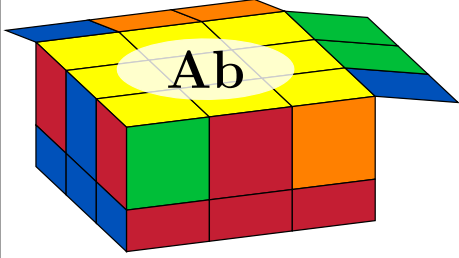
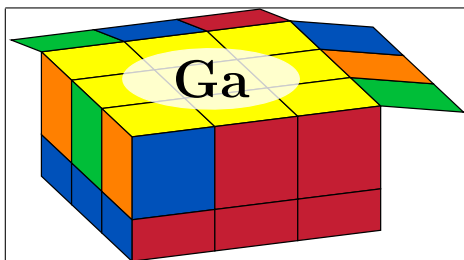


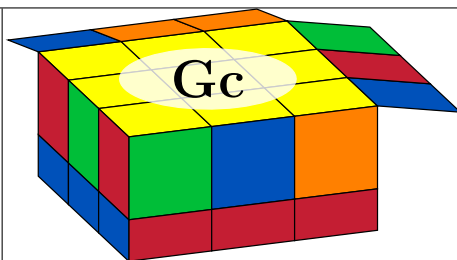
Table 1: PLL seen from front left. Headlights or solved side, if they exist, are placed on the left. All except Gc have a front sticker that stays in place for AUF reference; for Gc the right back sticker must be used.

 <p>T</p> <p>RUR'U' R'FR2U'R' U'RUR' F'</p>	 <p>Y</p> <p>F RU'R'U' RUR'F' RUR'U' R'FRF'</p>	 <p>H</p> <p>M2'U'M2' U2 M2'U'M2'</p>	 <p>Z</p> <p>M2'u'M2'u SM2'S'</p>
 <p>F</p> <p>R'FRf' R'FR2UR' U' R'F'R2UR' S</p>	 <p>V</p> <p>R'URU' R'f'U'R U2' R'U'RU' R'fR</p>	 <p>Ua</p> <p>R2U' S'U2'S U'R2</p>	 <p>Ub</p> <p>R2'U S'U2S UR2'</p>
 <p>Ja</p> <p>(M'R')FRF' RU2'r'U rU2'r'</p>	 <p>Jb</p> <p>r'FRF' rU2'R' URU2'R'</p>	 <p>Aa</p> <p>(rL) D2 L'U'L D2 L'Ur'</p>	 <p>Ab</p> <p>(r'L') D2 LUL' D2 LU'r</p>



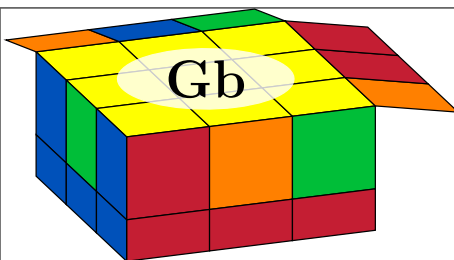
Ga

$R2uR'U R'U'Ru' R2 F'UF$



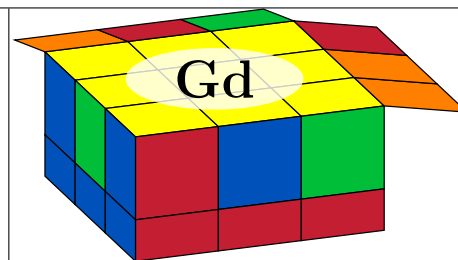
Gc

$R2'u'RU' RUR'u R2 fR'f'$



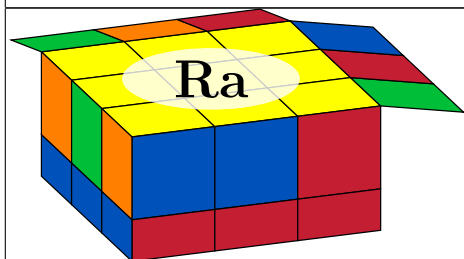
Gb

$D R'U'RU D' R2UR'U$
 $RU'RU' R2'$



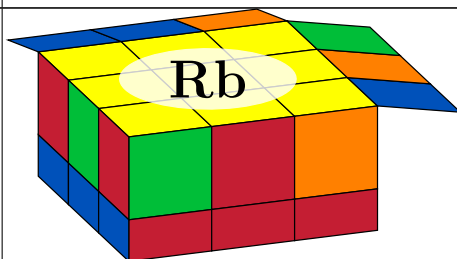
Gd

$D' RUR'U' D R2U'RU'$
 $R'UR'U R2$



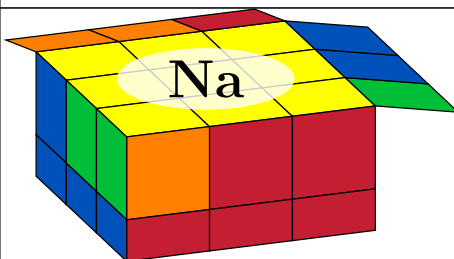
Ra

$RUR'F' RU2'R'U2 R'FRU$
 $RU2'R'$



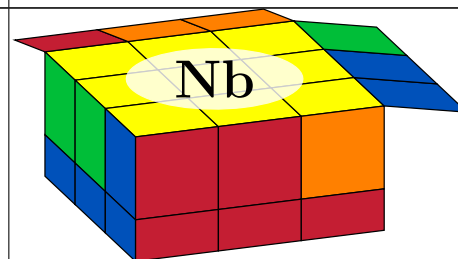
Rb

$R2'FRU RU'R'F'$
 $RU2'R'U2 R$



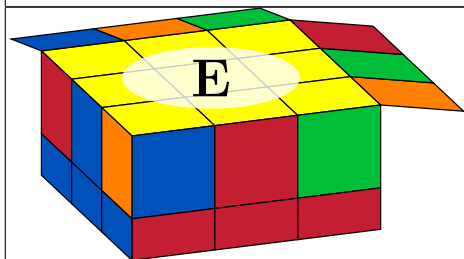
Na

$RUR'U r'FRF' rU2'R'$
 $URU2'R' U'RU'R'$



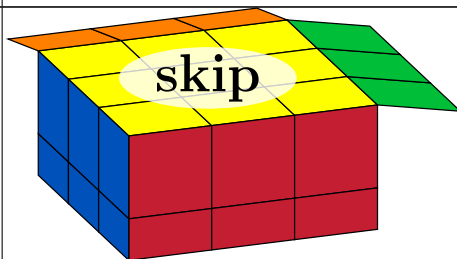
Nb

$L'U'LU (M'R')FRF'$
 $RU2'r'U rU2'r' U'L'UL$



E

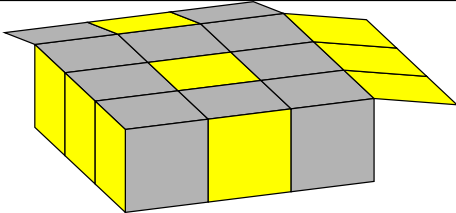
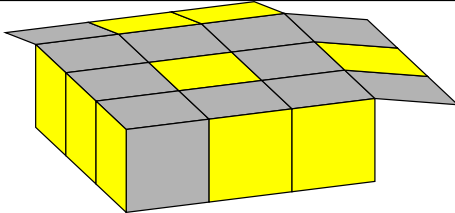
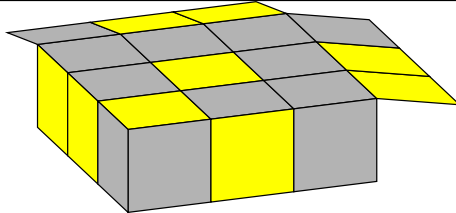
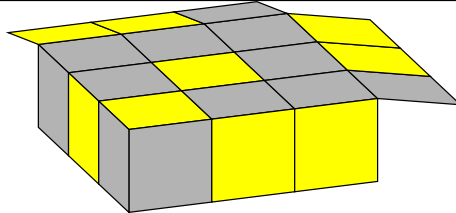
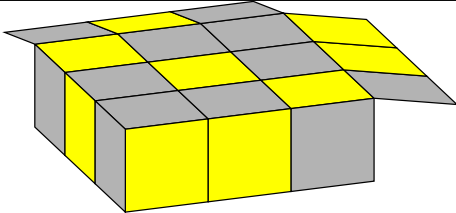
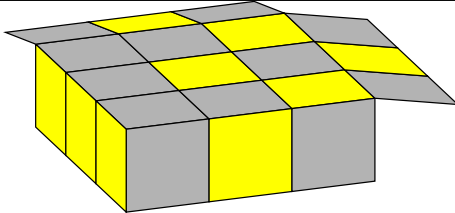
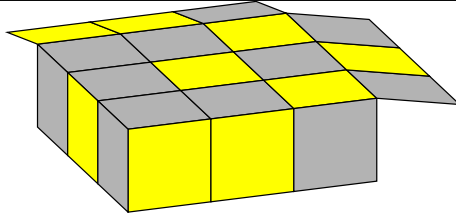
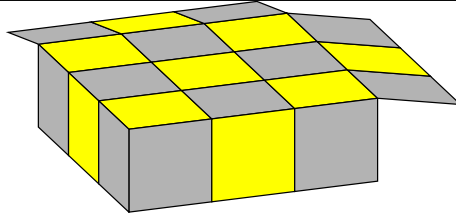
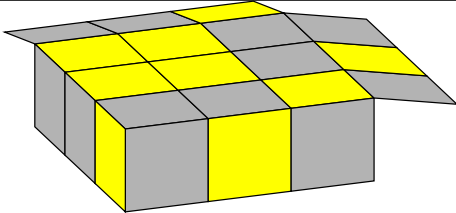
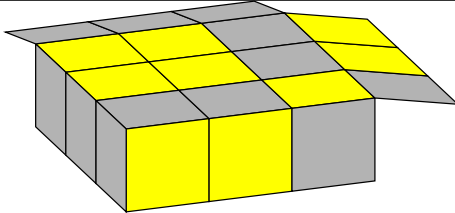
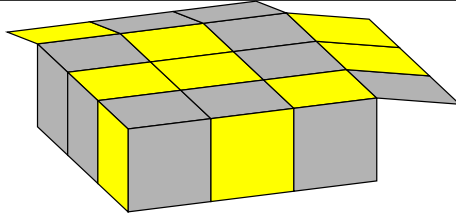
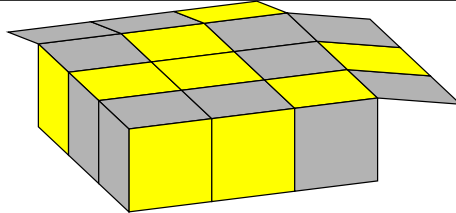
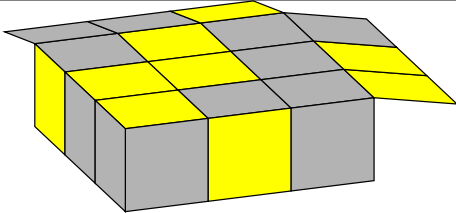
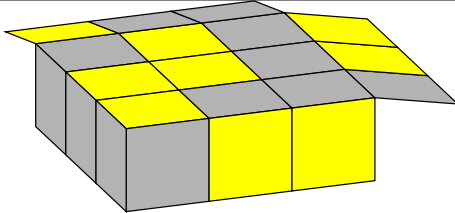
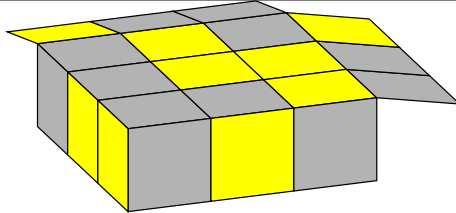
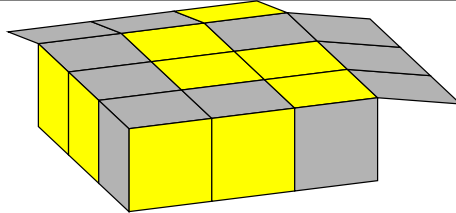
$R'U'R'D' RU'R'D' RUR'D'$
 $RUR'D R2$

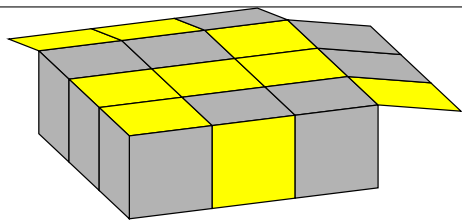


skip

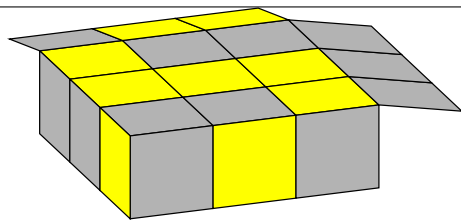
do you really need an alg?

Table 2: OLL seen from front left.

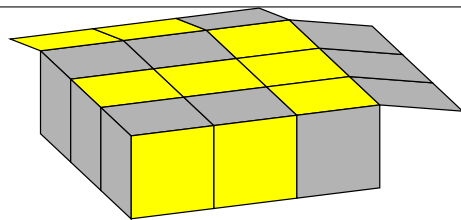
			
$RU2'R' R'FRF' U2 R'FRF'$	$F RUR'U' S RUR'U' f'$	$FU' RU'R'U' R'FRF' U2F'$	$f URU'R' S' R'F'R URU'R$
			
$FR'F'R US' RU'R'S$	$FS' RU'R'S RU2'R'U' F'$	$S' RUR'S U' R'FRF'$	$rUR'U' M2 URU'R' U'M'$
			
$LU2L2' fuf' L2U2L'$	$R'FRF' URU'R'$	$R'U2'RU S' R'URS$	$RUR'U' R'FR2U R'U'F'$
			
$S'U' L'U'LU' L'U2L S$	$rUR'U RU2'r$	$SU RUR'U RU2'R' S'$	$l'U'LU' L'U2l$



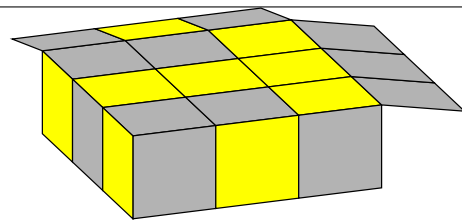
LF'L' U'LU F'U'L



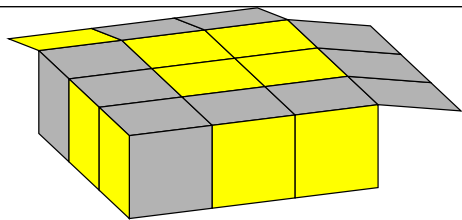
R'FR UR'U' FUR



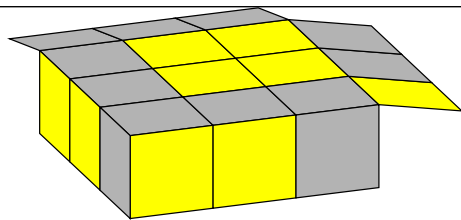
RUR'U' R'FRF'



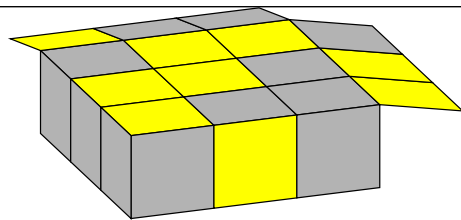
F RUR'U F'



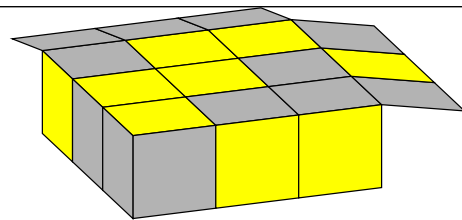
F'r2'F rU'rF



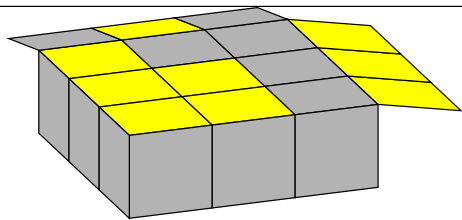
rU2'R' U'RU'r'



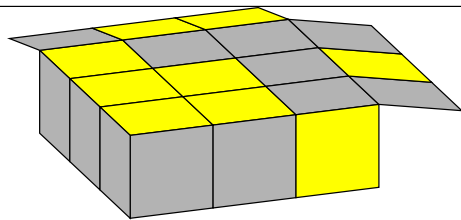
RUR'U RU'R'U' R'FRF



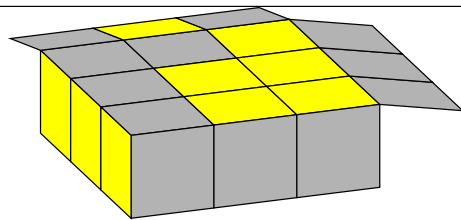
RUR2' F'U'FU R2U2'R'



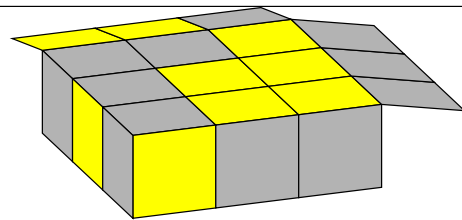
f' L'U'LU f



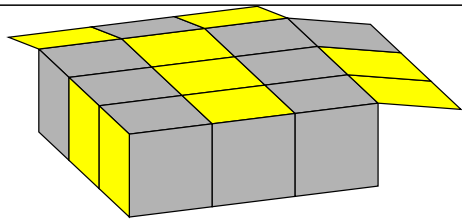
S' L'U'LU LF'L'f



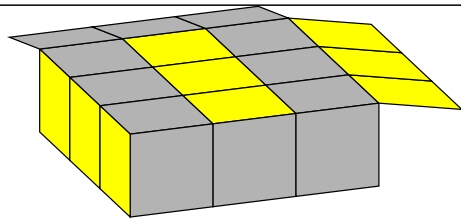
f RURU' f'



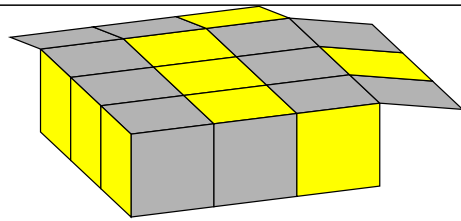
S RUR'U' R'FRf'



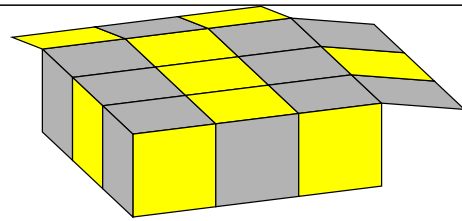
R'U2'RU R'FR'F' RUR



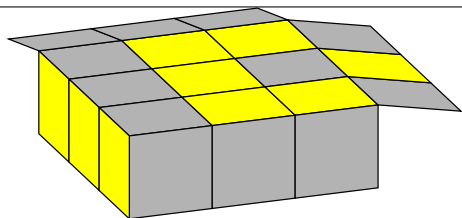
RU2'R2'U' RU'R'U2' FRF'



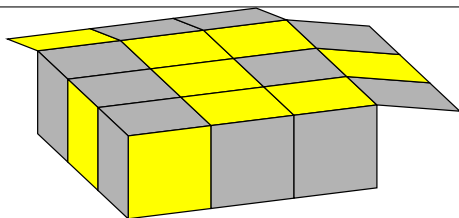
R' F'U'FU' R UR'UR



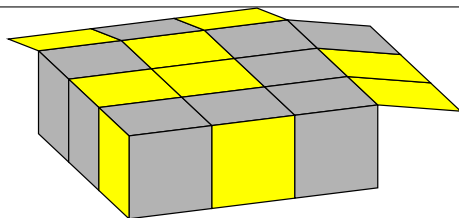
RU'R'U' S' RU'R'S URUR'



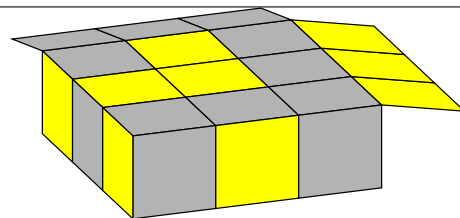
$r'U' FR'F'R Ur$



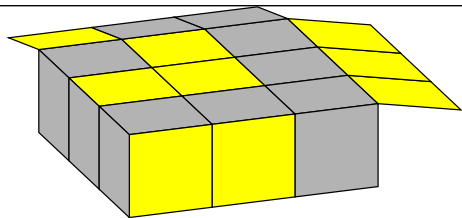
$fRf'U' r'U'RU M'$



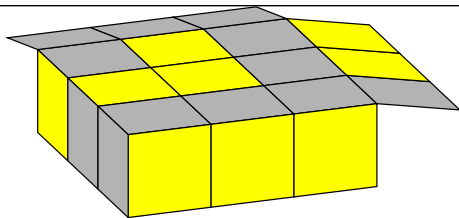
$R' (F'U'FU)^2 R$



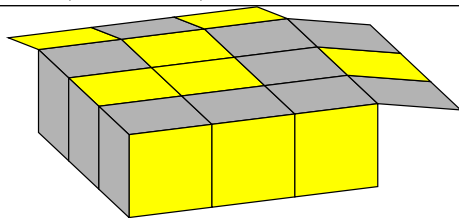
$FRUR' U'RU'R' URUR' F'$



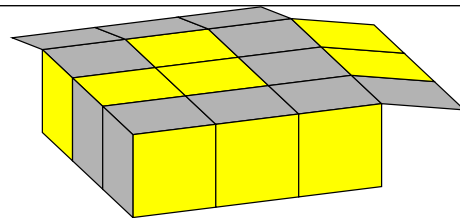
$R' FR^2B' R^2' F'R^2B R'$



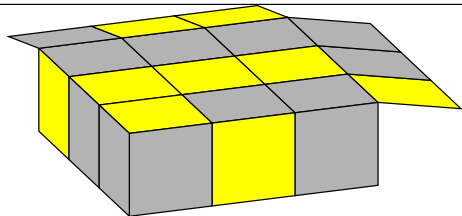
$FR' F^2 RU^2RU^2' R'F$



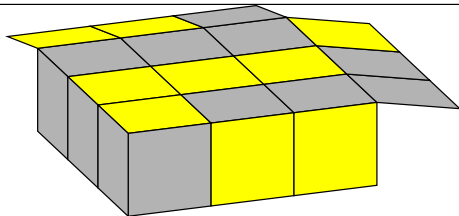
$rU^2R'U' RUR'U' RU'r'$



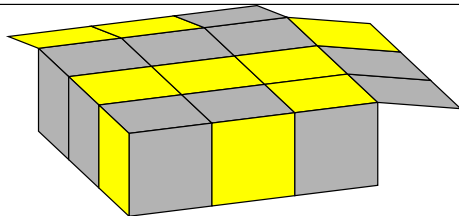
$FR' F^2 RU^2RU^2' R'F$



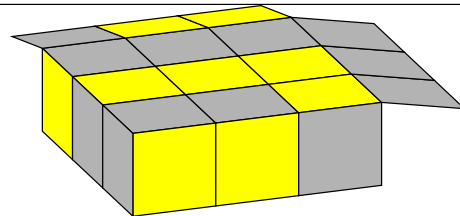
$R'FRU R'U'F'R U'R'U^2R$



$FU RU^2R'U' RUR'F'$



$r'U'M'U' R Ur'Ur$



$R'FRU R'F'R FU'F'$