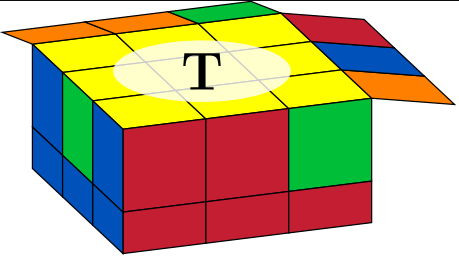
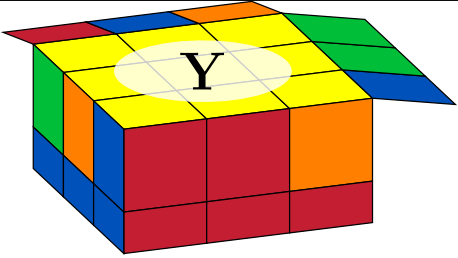
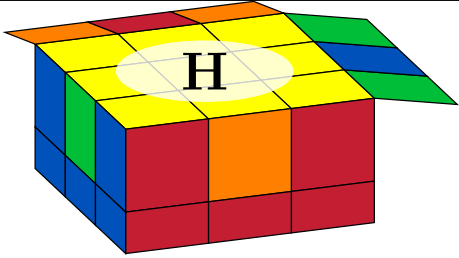
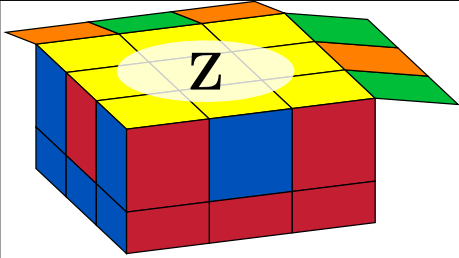
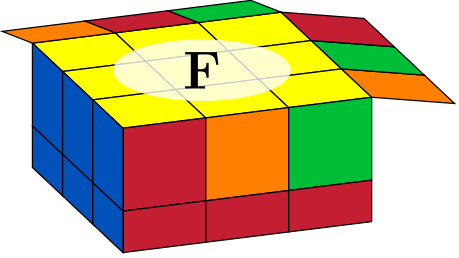
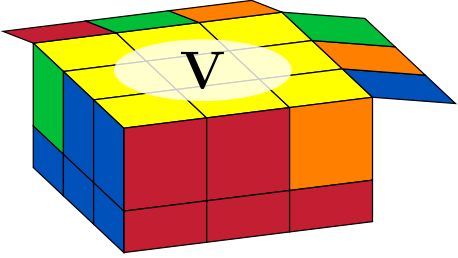
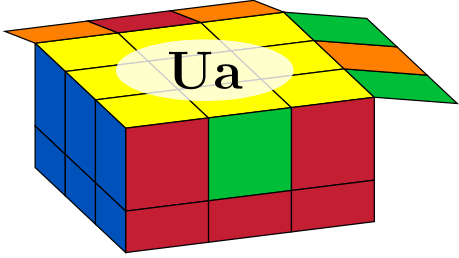
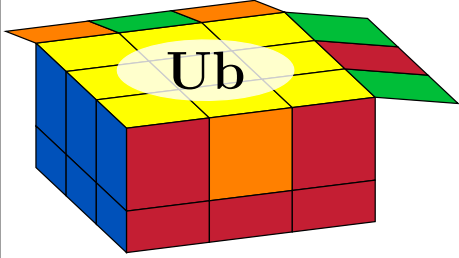
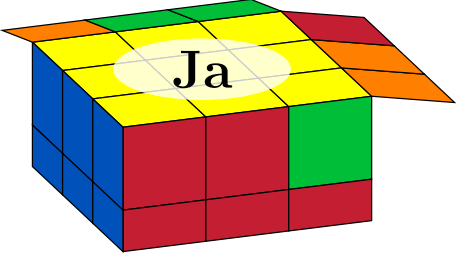
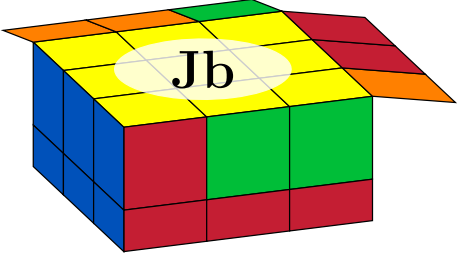
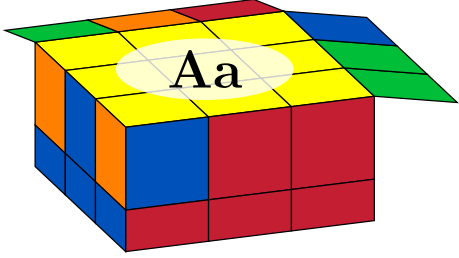
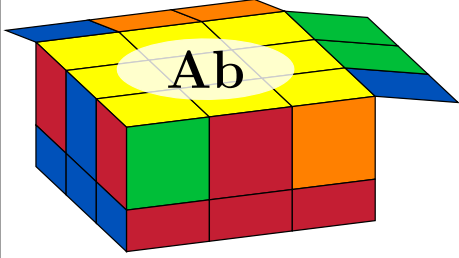
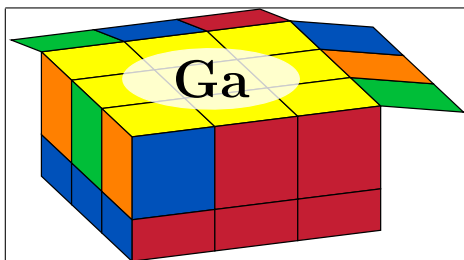


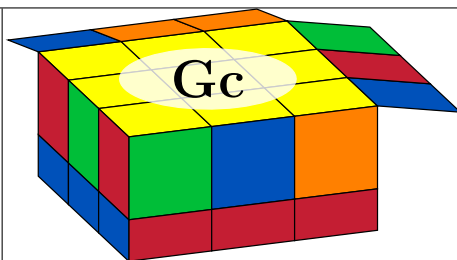
Table 1: PLL seen from front left. Headlights or solved side, if they exist, are placed on the left. All except Gc have a front sticker that stays in place for AUF reference; for Gc the right back sticker must be used.

 <p><b>T</b></p> <p>RUR'U' R'FR2U'R' U'RUR' F'</p>	 <p><b>Y</b></p> <p>F RU'R'U' RUR'F' RUR'U' R'FRF'</p>	 <p><b>H</b></p> <p>M2'U'M2' U2 M2'U'M2'</p>	 <p><b>Z</b></p> <p>M2'u'M2'u SM2'S'</p>
 <p><b>F</b></p> <p>R'FRf' R'FR2UR' U' R'F'R2UR' S</p>	 <p><b>V</b></p> <p>R'URU' R'f'U'R U2' R'U'RU' R'fR</p>	 <p><b>Ua</b></p> <p>R2U' S'U2'S U'R2</p>	 <p><b>Ub</b></p> <p>R2'U S'U2S UR2'</p>
 <p><b>Ja</b></p> <p>(M'R')FRF' RU2'r'U rU2'r'</p>	 <p><b>Jb</b></p> <p>r'FRF' rU2'R' URU2'R'</p>	 <p><b>Aa</b></p> <p>r2F2 r'U'r F2 r'Ur'</p>	 <p><b>Ab</b></p> <p>r2'B2 rUr' B2 rU'r</p>



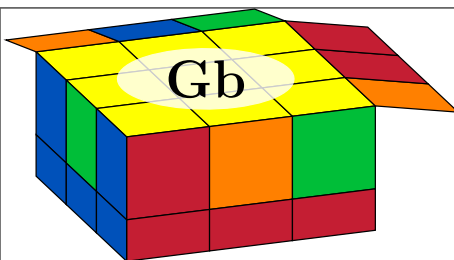
Ga

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



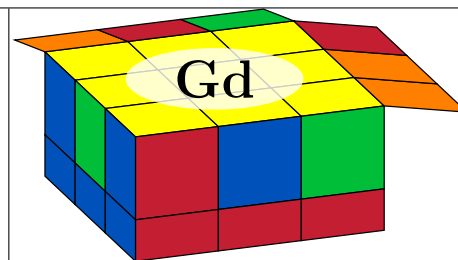
Gc

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



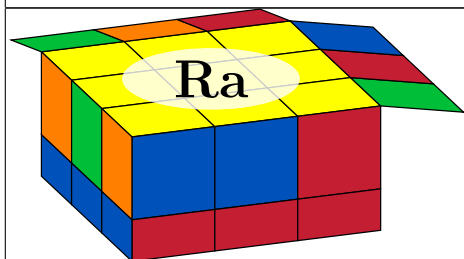
Gb

$D R'U'R(UD') R2UR'U$   
 $RU'RU' R2'$



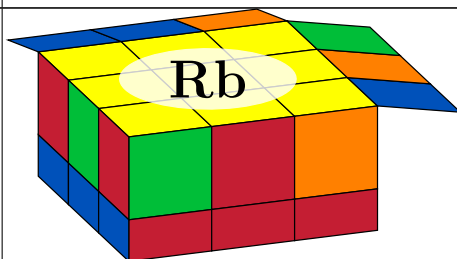
Gd

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



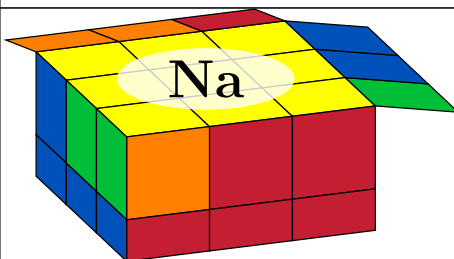
Ra

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



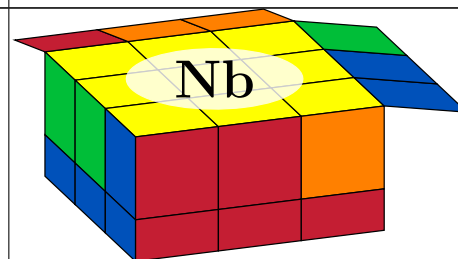
Rb

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



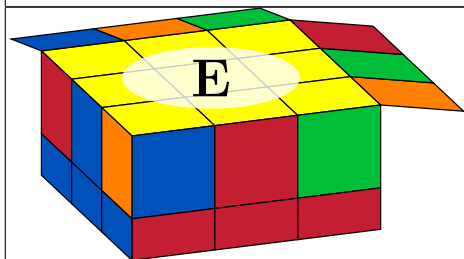
Na

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



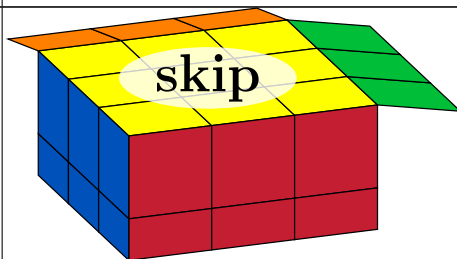
Nb

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



E

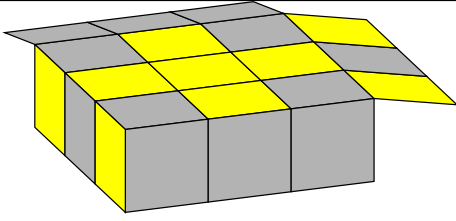
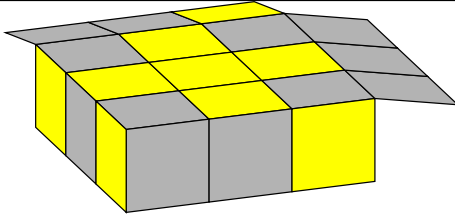
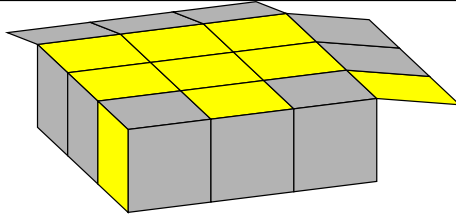
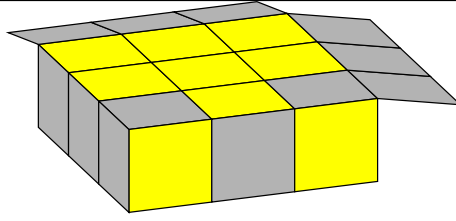
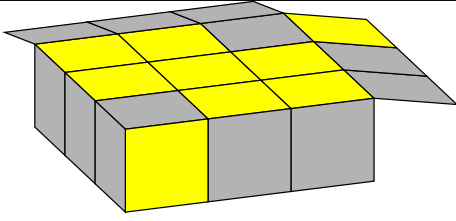
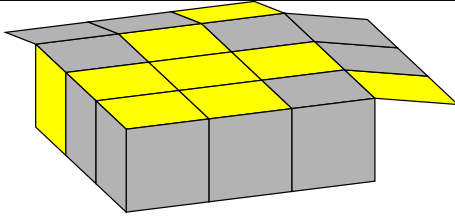
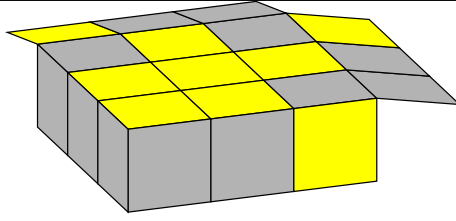
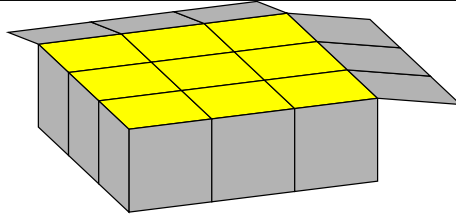
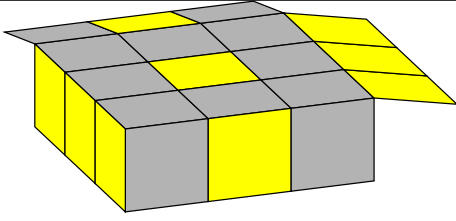
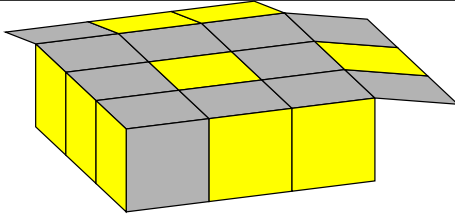
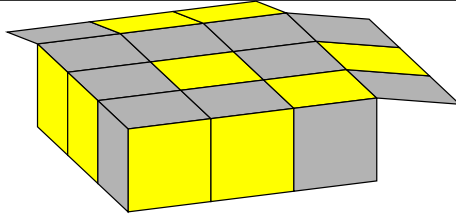
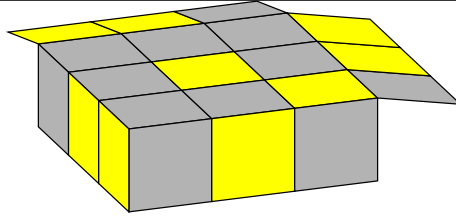
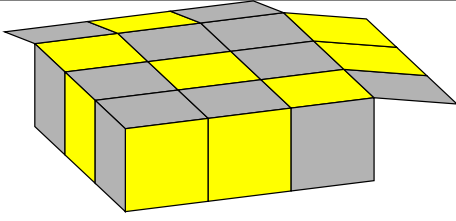
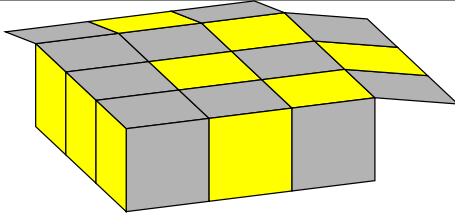
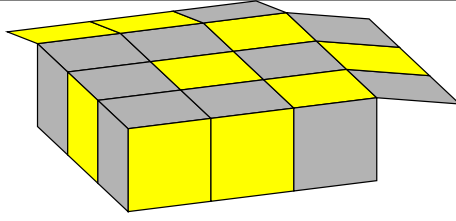
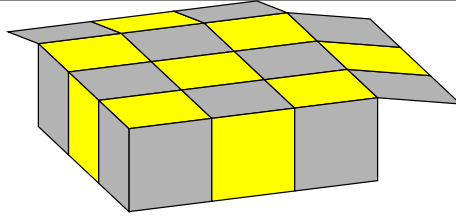
$R'U'R'D' RU'R'D' RUR'D'$   
 $RUR'D R2$

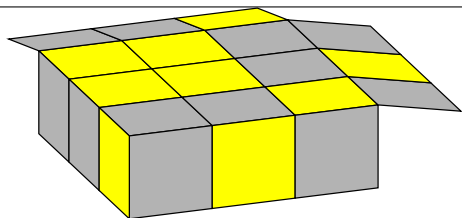


skip

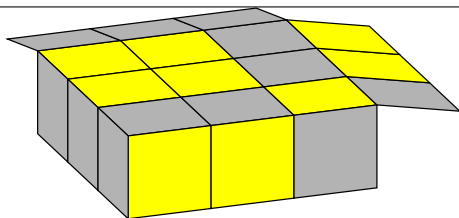
do you really need an alg?

Table 2: OLL seen from front left.

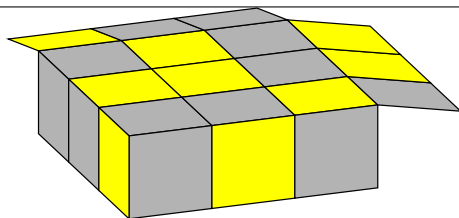
			
RUR'U RU'R'U RU2'R'	R2 DR'U2'R D'R'U2'R'	R'U'R'D' RUR'D R2	R2'D' RU2R'D RU2R
			
FR'F'r URU'r'	LU2L' U'LU'L'	RUR'U RU2'R	skip
			
RU2'R' R'FRF' U2 R'FRF'	F RUR'U' S RUR'U' f'	RUR'U' R'FRS RUR'U' f'	f RUR'U' f'UF RUR'U F'
			
FR'F'R US' RU'R'S	FS' RU'R'S RU2'R'U' F'	S' RUR'S U' R'FRF'	rUR'U' M2 URU'R' U'M'



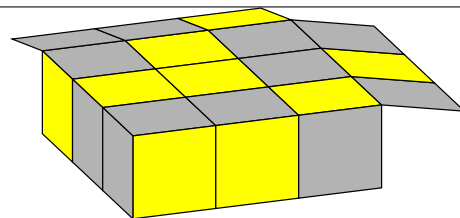
LU2L2' fuf' L2U2L'



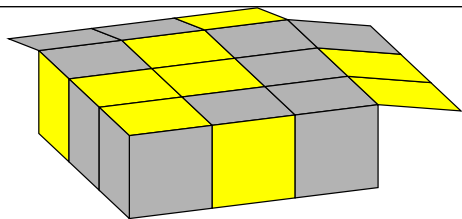
R'FRF' URU'R'



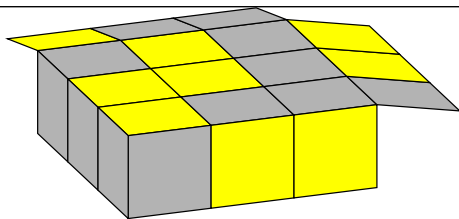
R'U2'RU S' R'URS



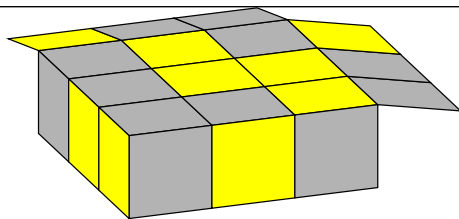
RUR'U' R'FR2U R'U'F'



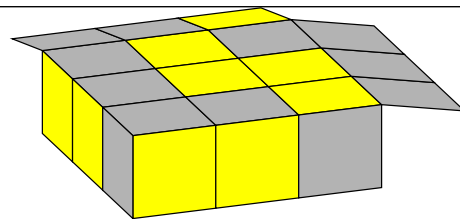
S'U' L'U'LU' L'U2L S



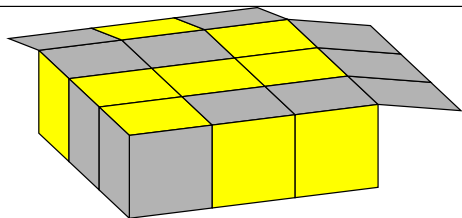
rUR'U RU2'r



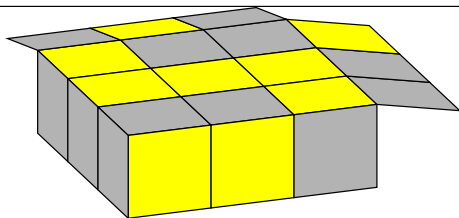
SU RUR'U RU2'R' S'



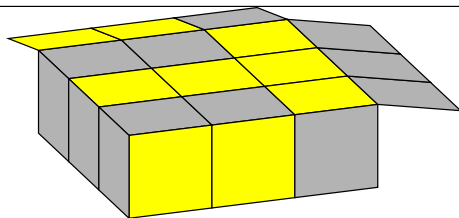
l'U'LU' L'U2l



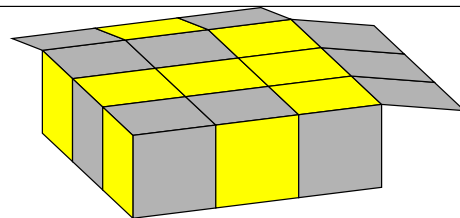
f'LFL' U'L'UL S



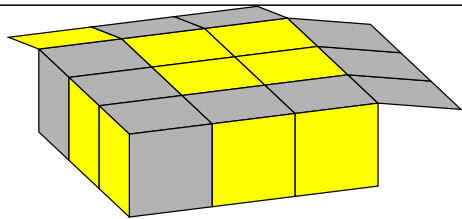
fR'F'R URU'R' S'



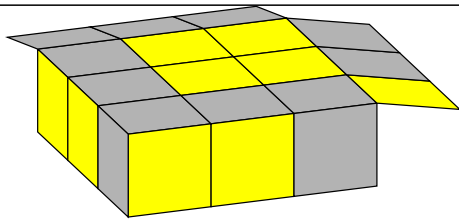
RUR'U' R'FRF'



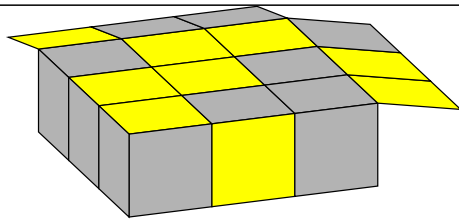
F RUR'U' F'



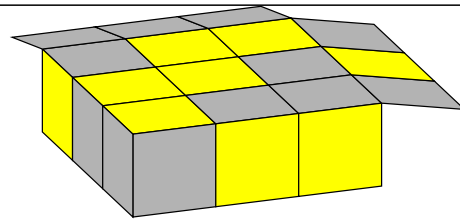
F'r2'F rU'rF



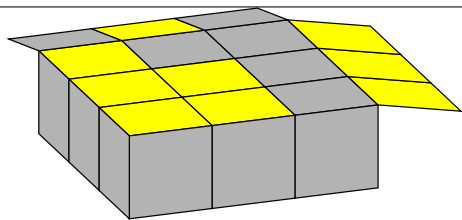
rU2'R' U'RU'r'



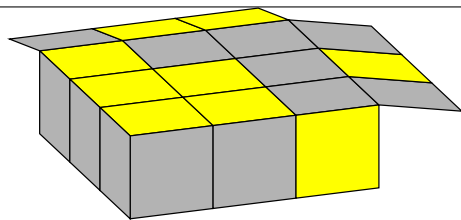
RUR'U RU'R'U' R'FRF



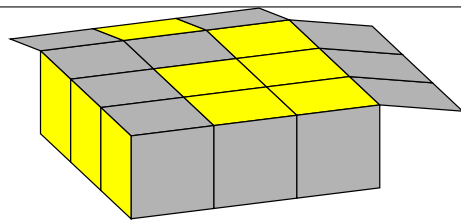
RUR2' F'U'FU R2U2'R'



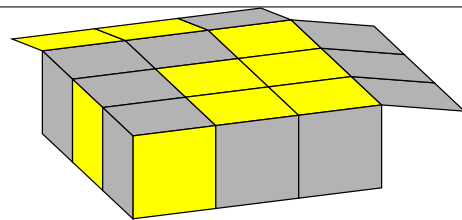
$f' L'U'LU f$



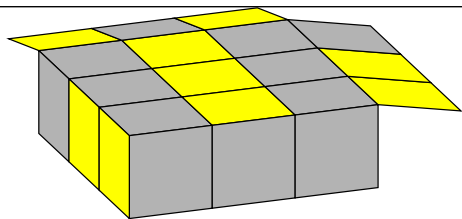
$S' L'U'LU LF'L'f$



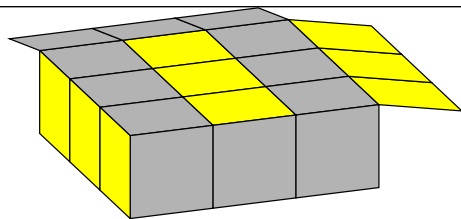
$f RUR'U' f'$



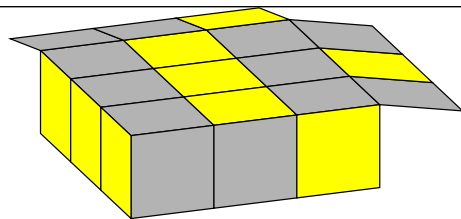
$S RUR'U' R'FRf'$



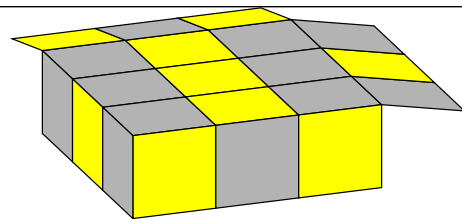
$R'U2'RU R'FR'F' RUR$



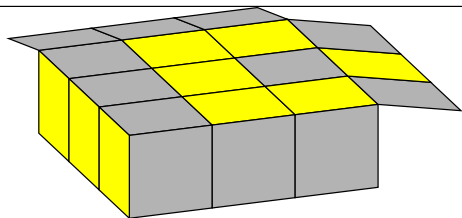
$RU2'R2'U' RU'R'U2' FRF'$



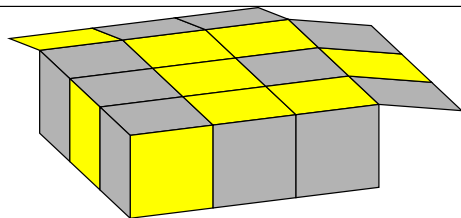
$R' F'U'FU' R UR'UR$



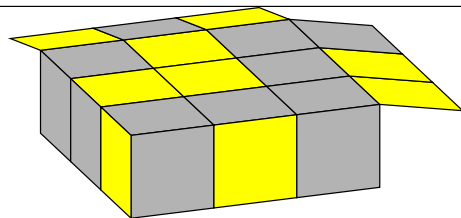
$RU'R'U' S' RU'R'S URUR'$



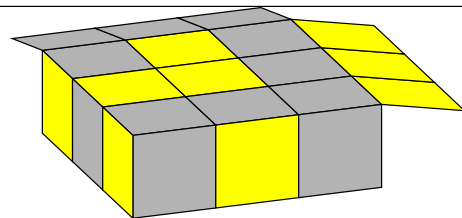
$r'U' FR'F'R Ur$



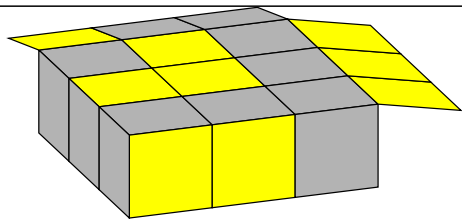
$fRf'U' r'U'RU M'$



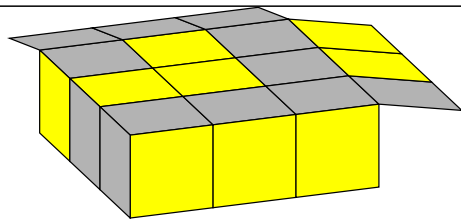
$R' (F'U'FU)2 R$



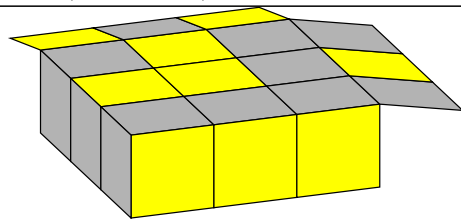
$FRUR' U'RU'R' URUR' F'$



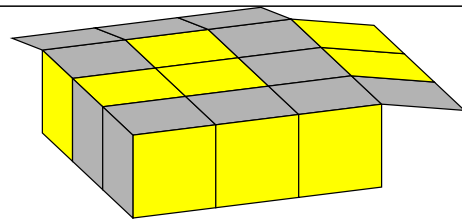
$R' FR2B' R2' F'R2B R'$



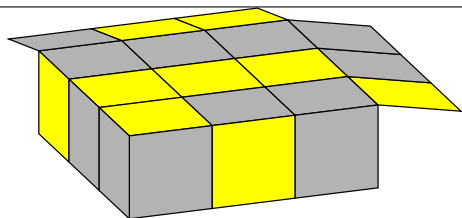
$FR' F2 RU2RU2' R'F$



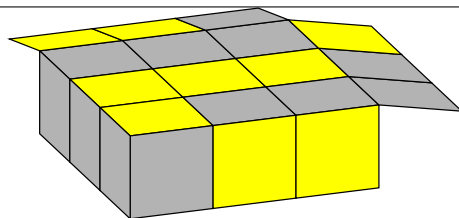
$rU2'R'U' RUR'U' RU'r'$



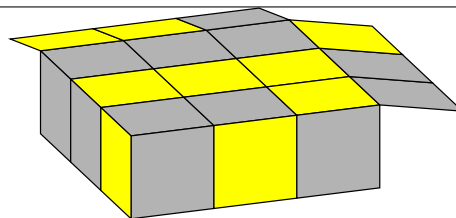
$FR' F2 RU2RU2' R'F$



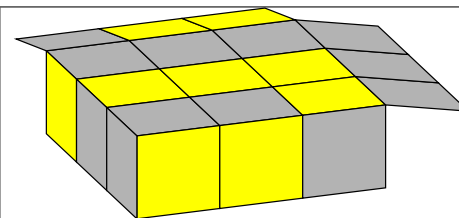
IUI' LUL U'IU'I'



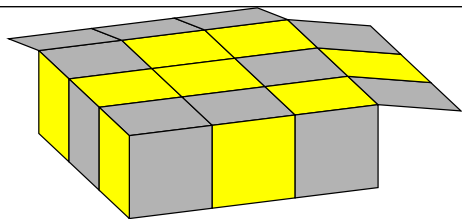
FU RU2'R'U' RUR'F'



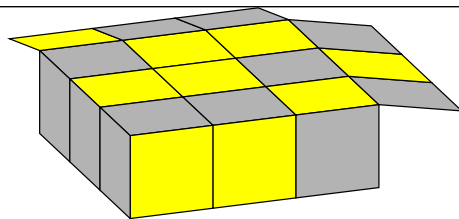
r'U'r R'U'R Ur'Ur



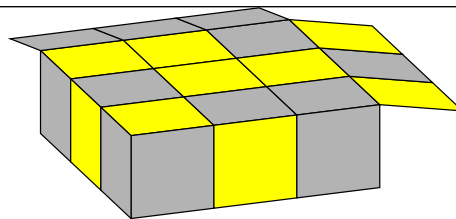
R'FRU R'F'R FU'F'



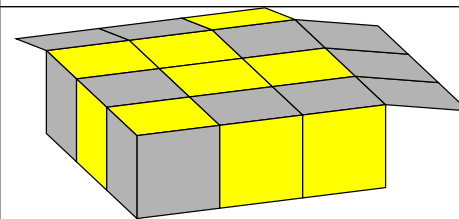
(FS') RUR'U' F'US



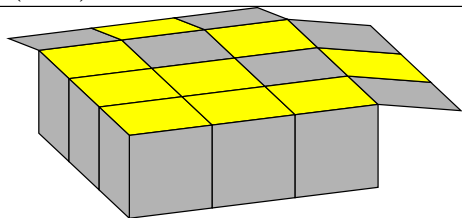
S' RUR'U' R'FRF' US



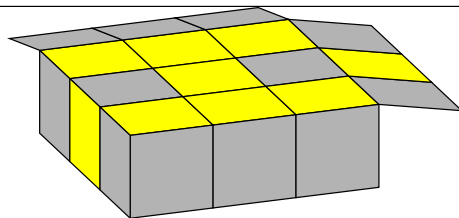
(F'S) L'U'LU FU'S'



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



M'U'M U2 M'UM



RUR'S' RU'R'S