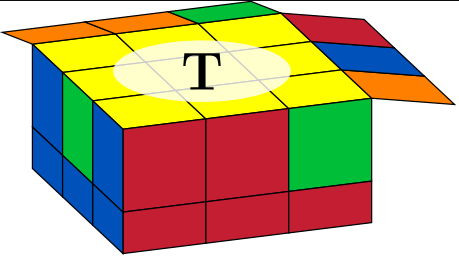
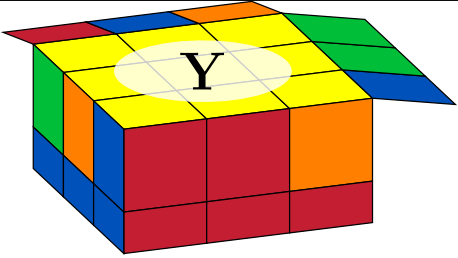
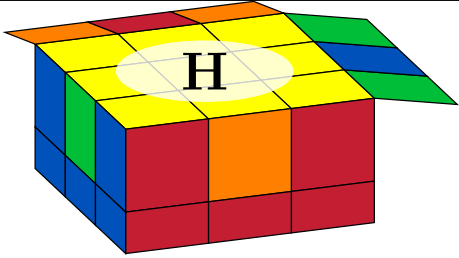
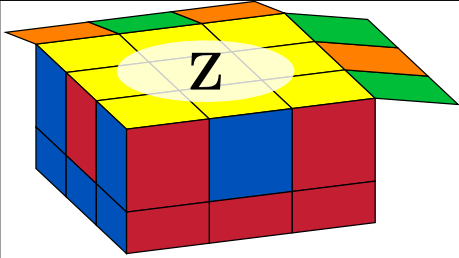
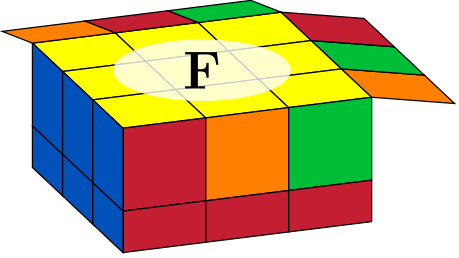
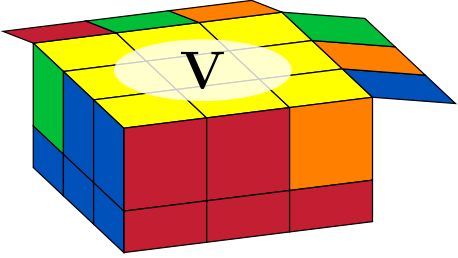
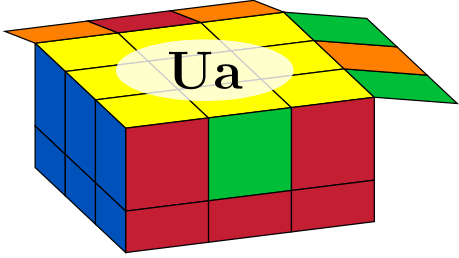
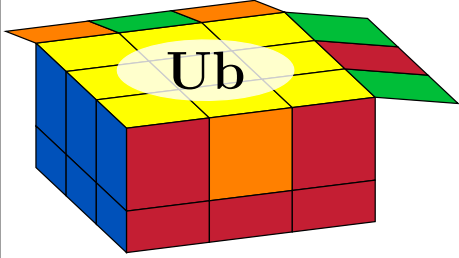
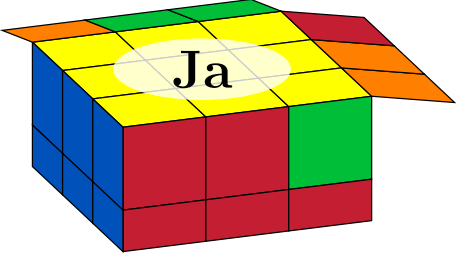
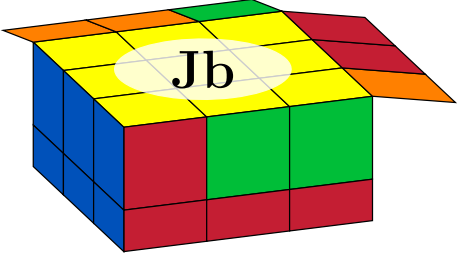
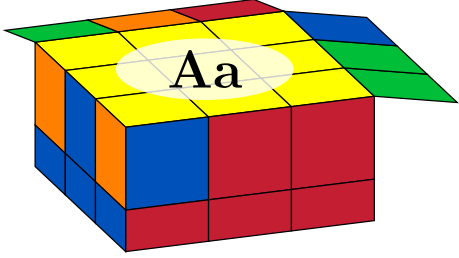
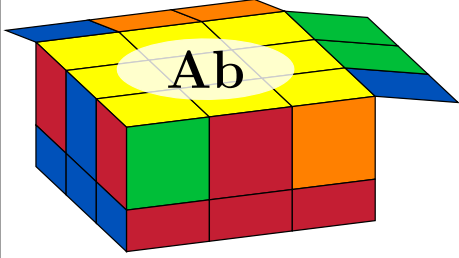
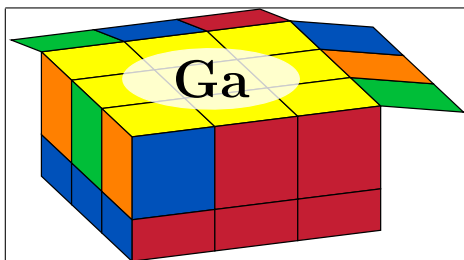


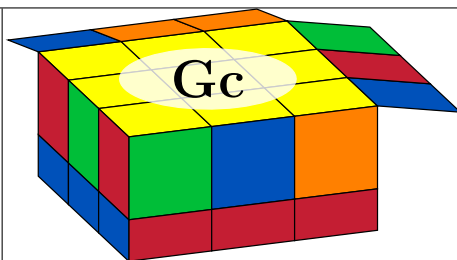
Table 1: PLL seen from front left. Headlights or solved side, if they exist, are placed on the left. All except Gc have a front sticker that stays in place for AUF reference; for Gc the right back sticker must be used.

 <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>$r2F2 r'U'r F2 r'Ur'$</p>	 <p>Ab</p> <p>$r2'B2 rUr' B2 rU'r$</p>



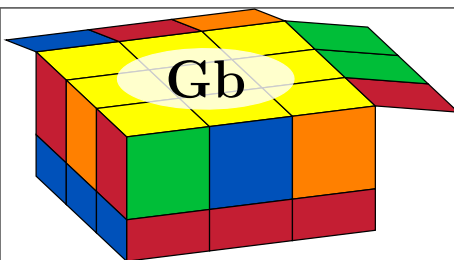
Ga

$R^2uR'U R'U'Ru' R^2 F'UF$



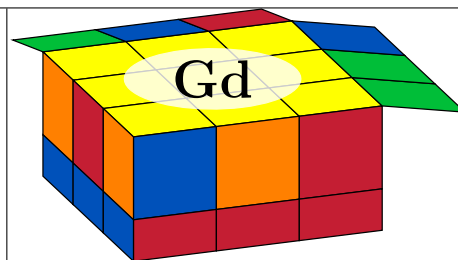
Gc

$R^2'u'RU' RUR'u R^2 BU'B$



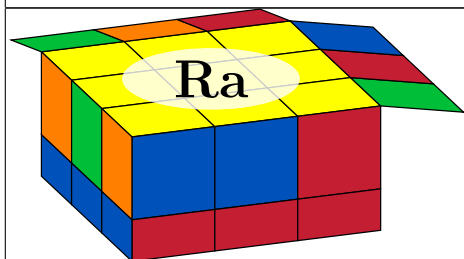
Gb

$R'd'F R^2uR'U RU'Ru' R^2$



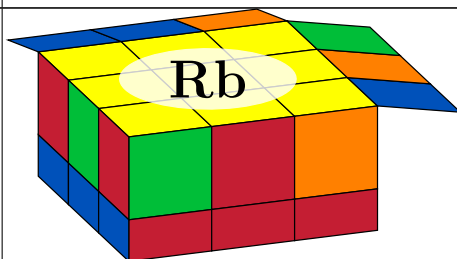
Gd

$RdB' R^2'u'RU' R'UR'u R^2$



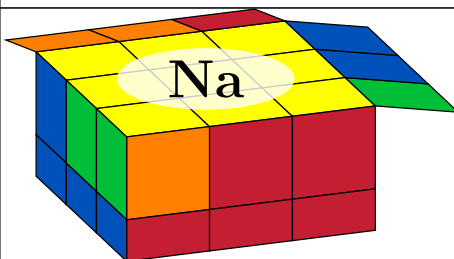
Ra

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



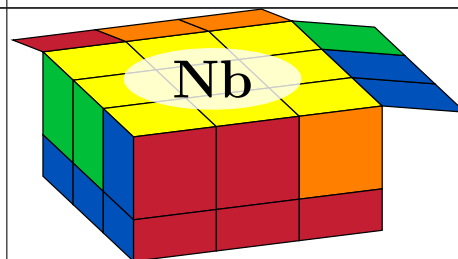
Rb

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



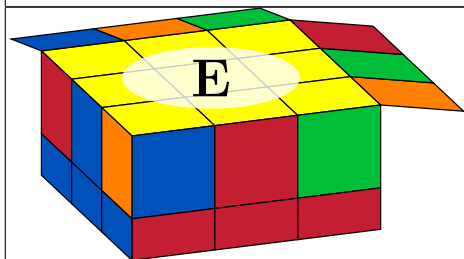
Na

$(LU'l F^2' L'F'l')^2$



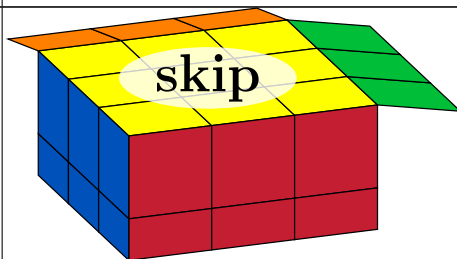
Nb

$(R'Ur' F^2 RF'r)^2$



E

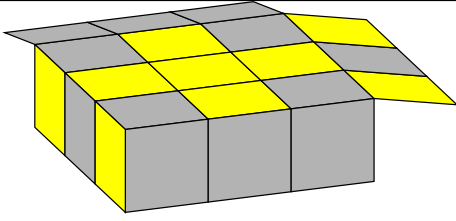
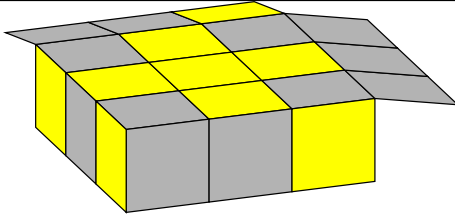
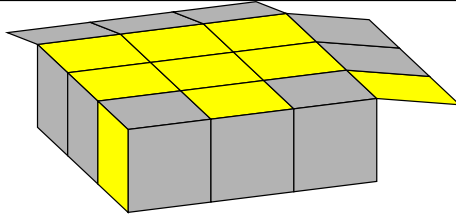
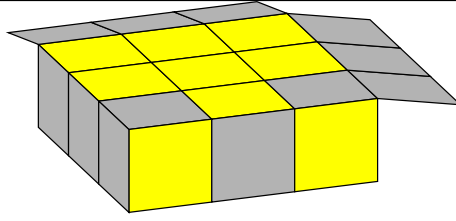
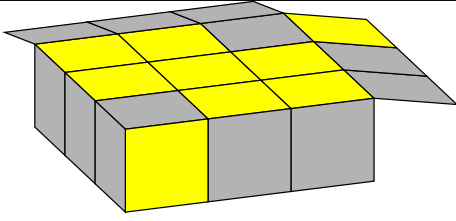
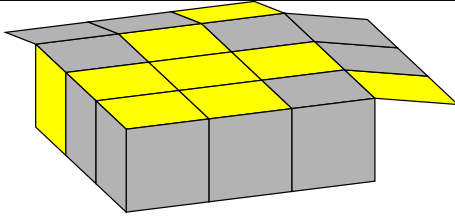
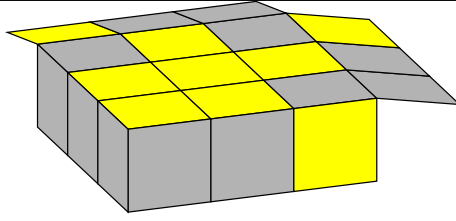
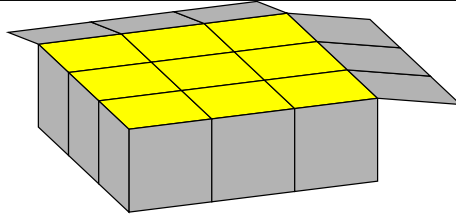
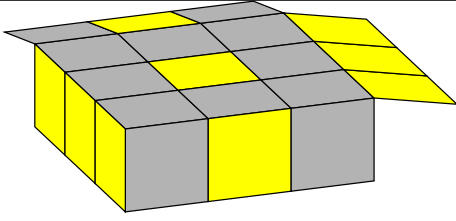
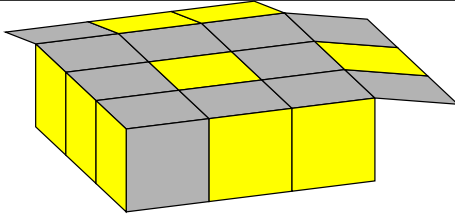
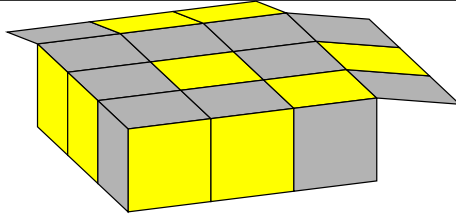
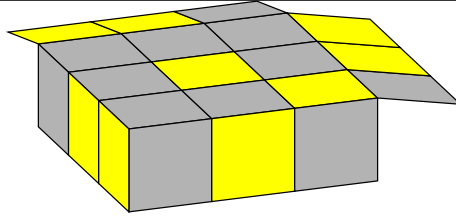
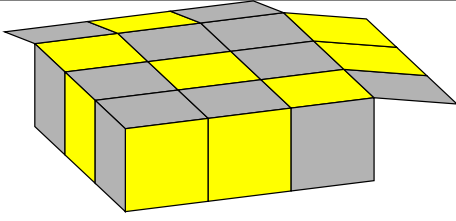
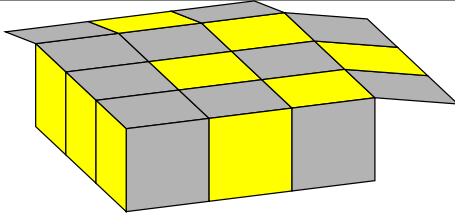
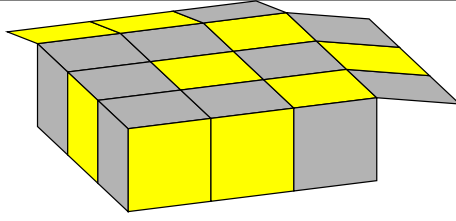
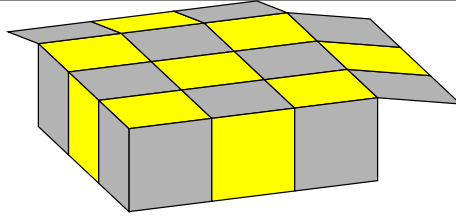
$R'U'R'D' RU'R'D' RUR'D'$
 $RUR'D R^2$

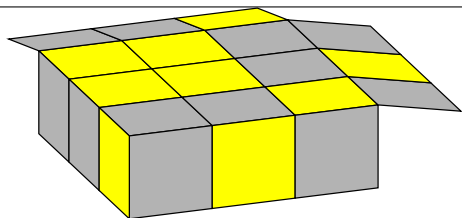


skip

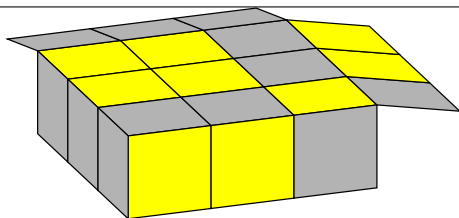
do you really need an alg?

Table 2: OLL seen from front left.

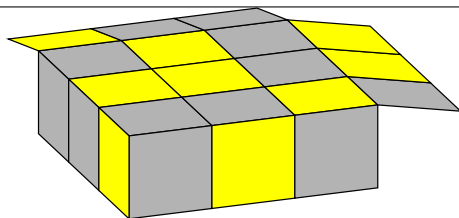
			
RUR'U RU'R'U RU2'R'	R2 DR'U2'R D'R'U2'R'	R'U'R'D' RUR'D R2	R2'D' RU2R'D RU2R
			
FR'F'r URU'r'	LU2L' U'LU'L'	RUR'U RU2'R	skip
			
RU2'R' R'FRF' U2 R'FRF'	F RUR'U' S RUR'U' f'	RUR'U' R'FRS RUR'U' f'	f RUR'U' f'U'F RUR'U' F'
			
FR'F'R US' RU'R'S	FS' RU'R'S RU2'R'U' F'	S' RUR'S U' R'FRF'	rUR'U' M2 URU'R'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



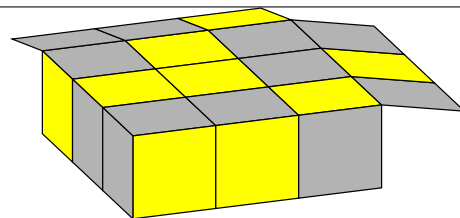
y2 RU2'R2' FRF' RU2'R'



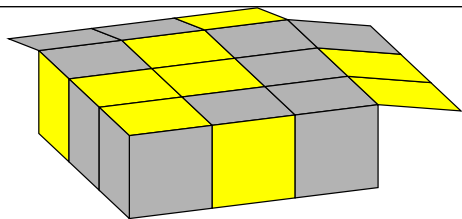
R'FRF' URU'R'



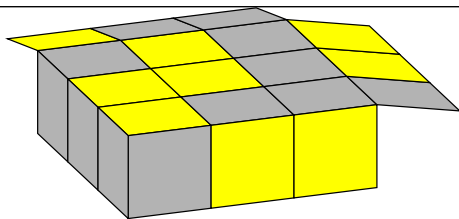
R'U2'RU S' R'URS



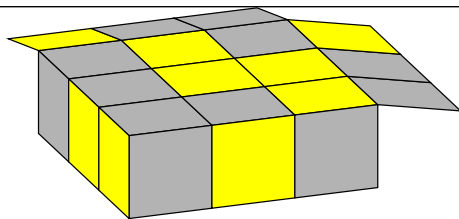
RUR'U' R'FR2U R'U'F'



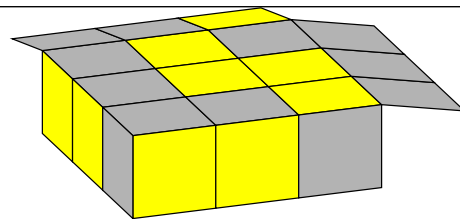
S'U' L'U'LU' L'U2L S



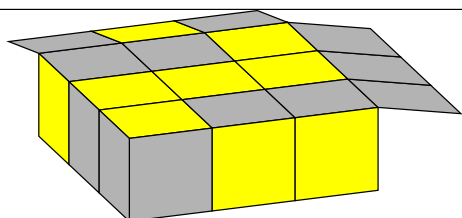
rUR'U RU2'r



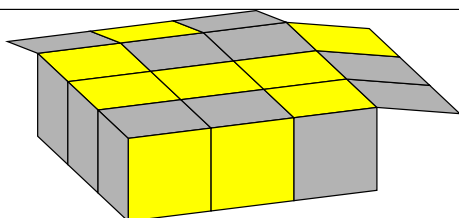
SU RUR'U RU2'R' S'



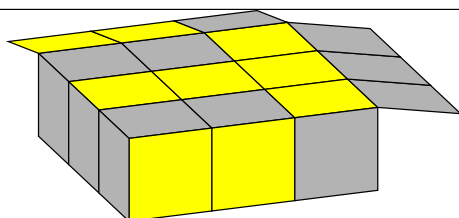
l'U'LU' L'U2l



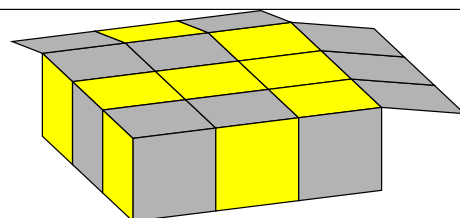
f'LFL' U'L'UL S



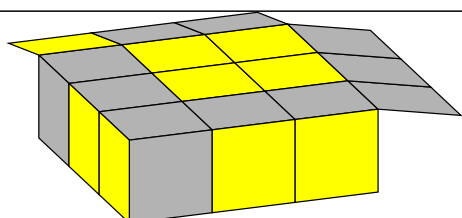
fR'F'R URU'R' S'



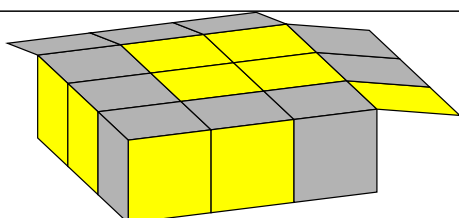
RUR'U' R'FRF'



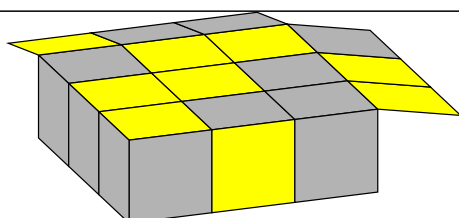
F RUR'U' F'



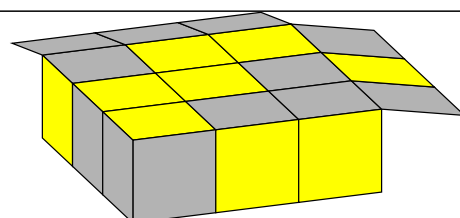
F'r2'F rU'rF



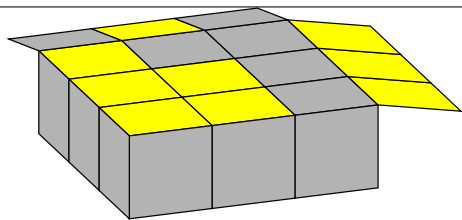
rU2'R' U'RU'r'



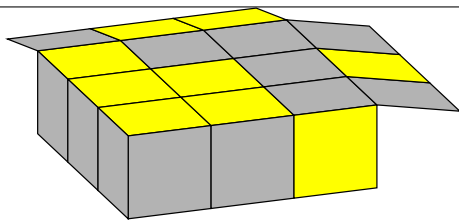
RUR'U RU'R'U' R'FRF



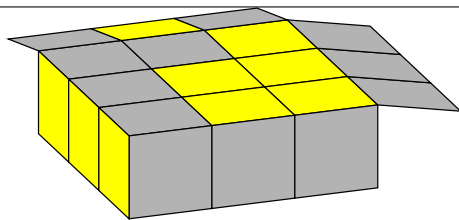
RUR2' F'U'FU R2U2'R'



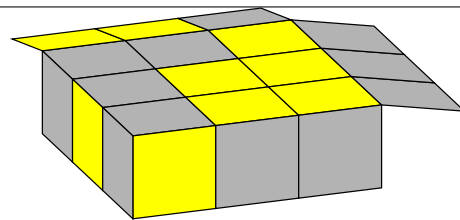
$f' L'U'LU f$



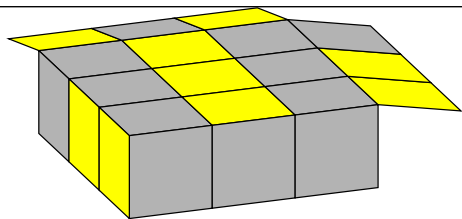
$S' L'U'LU LF'L'f$



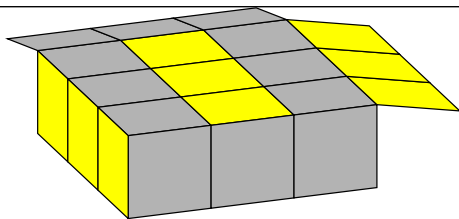
$f RUR'U' f'$



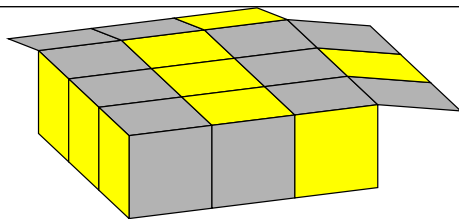
$S RUR'U' R'FRf'$



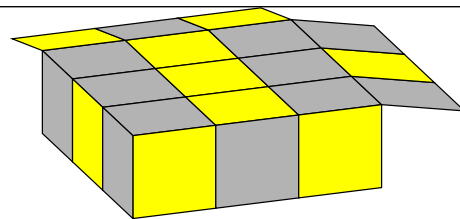
$R'U2'RU R'FR'F' RUR$



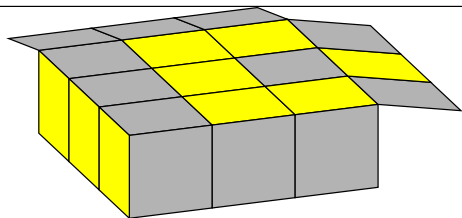
$RU2'R2'U' RU'R'U2' FRF'$



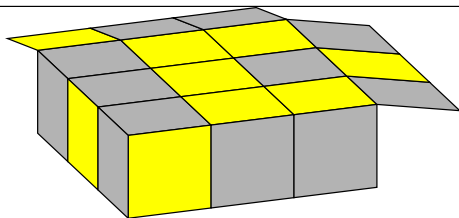
$R' F'U'FU' R UR'UR$



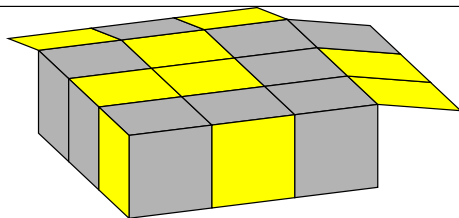
$RU'R'U' S' RU'R'S URUR'$



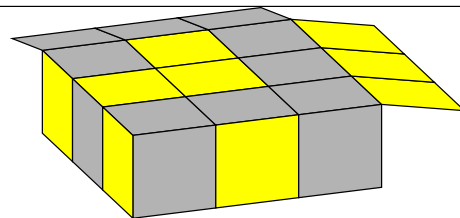
$r'U' FR'F'R Ur$



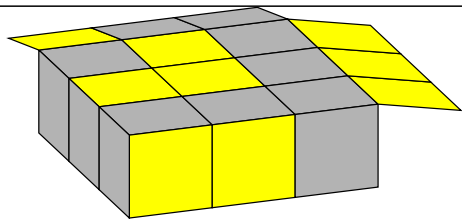
$fRf'U' r'U'RU M'$



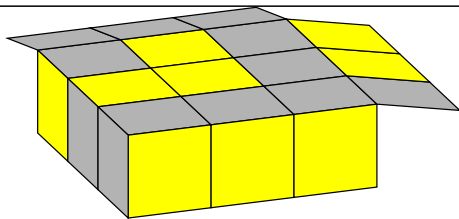
$R' (F'U'FU)2 R$



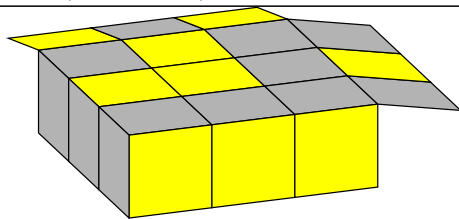
$FRUR' U'RU'R' URUR' F'$



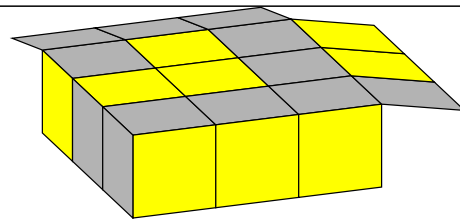
$R' FR2B' R2' F'R2B R'$



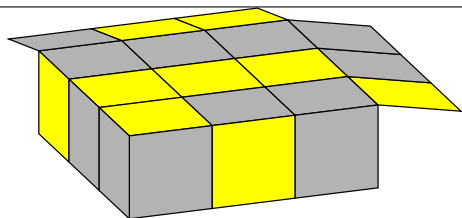
$FR' F2 RU2RU2' R'F$



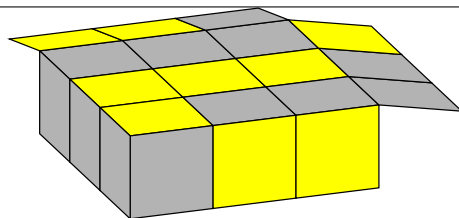
$rU2'R'U' RUR'U' RU'r'$



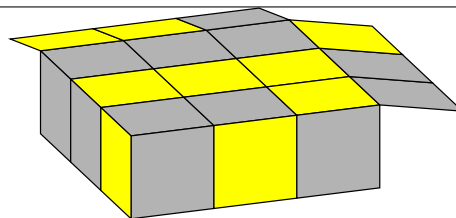
$FR' F2 RU2RU2' R'F$



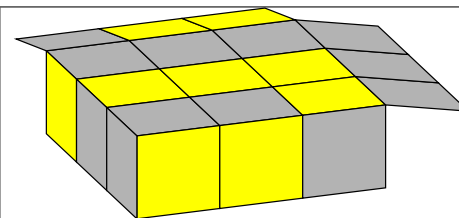
IUM'U L'U'IU' I'



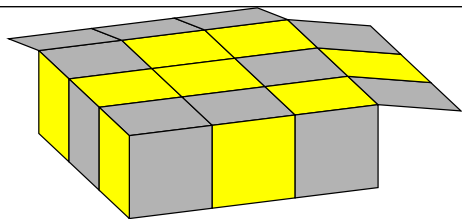
FU RU2'R'U' RUR'F'



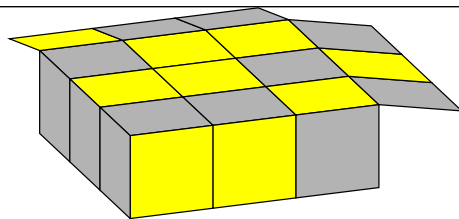
r'U'M'U' RUr'U r



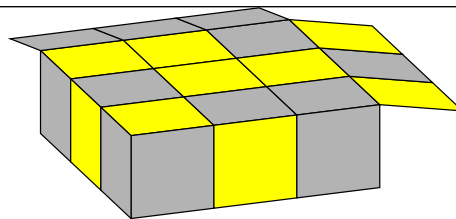
R'FRU R'F'R FU'F'



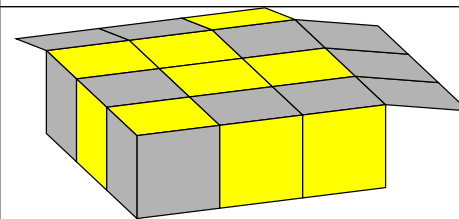
(FS') RUR'U' F'US



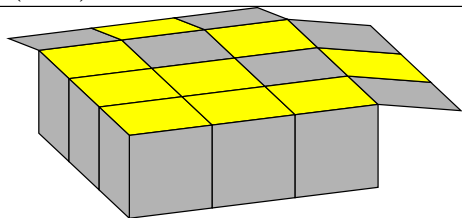
S' RUR'U' R'FRF' US



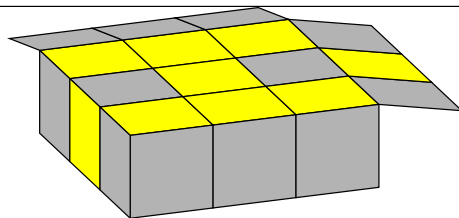
(F'S) L'U'LU FU'S'



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



M'U'M U2 M'UM



RUR'S' RU'R'S