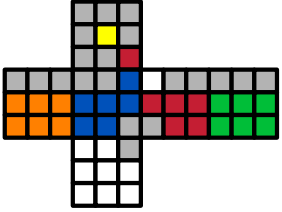
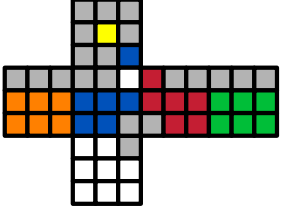
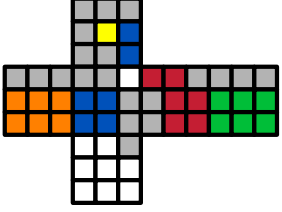
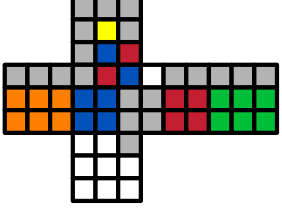
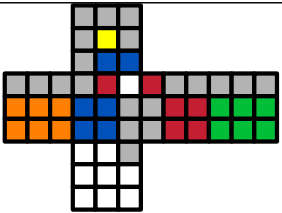
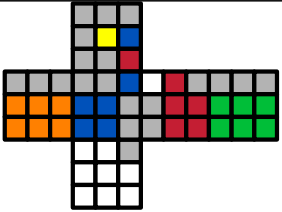
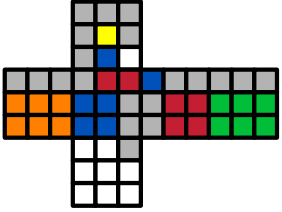
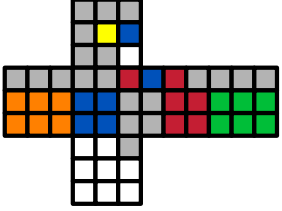
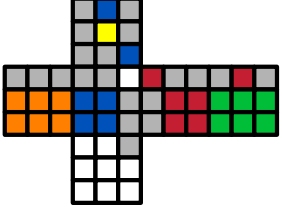
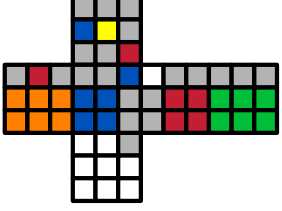
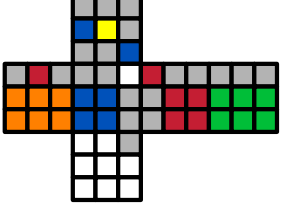
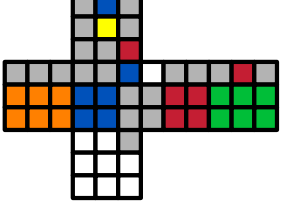


# 1 F2L

1	$R U R' U^2 R U R' U^2 R U' R'$	
2	$(U R U' R')^3$	
3	$(R U' R' U) (R U'^2 R' U) (R U' R')$	
4	$(R U R' U') (R U'^2 R' U') (R U R')$	
5	$(R U' R' U) (R U' R')$	
6	$(R U R' U') (R U R')$	



















7	$U' (R U'^2 R' U) (R U R')$	
8	$U' (R U') (R' U^2) (R U' R')$	
9	$U R U' R'$	
10	1. $(R U') (R' U) (R U') (R' U^2) (R U' R')$ 2. $R U^2 R' U^2 R U^2 R' U^2 R U' R'$	
11	$R U^2 R' U R U R' U R U' R'$	
12	$U' (R U' R' U) (R U R')$	


















13	$(R U R') U^2 (R U R' U') (R U R')$	
14	$(R U^2) (R' U' R U) R'$	
15	$U' (R U R' U') (R U^2 R')$	
16	$U' (R U R' U') (R U^2 R')$	
17	$U' (R U^2) (R' U^2) (R U' R')$	
18	$R U R'$	

19	$U (R U' U' R') U (R U' R')$	
20	$(R U') (R' U^2) (R U R')$	

## 2 COLL

	F F B B	$(R U') U' R' U' (R U') (R^2 U') U' R (U R' U) R$
	F B F B	$(R' U) R^2 D r' U^2 r D' (R^2 U' R)$
	F F L R	$F U' (r' F) R^2 F' r U R^2 F'$
	R L F F	$(R' U) (R U') U' r' (R' F) (R F') r$
	F L F R	$y' r (U R') U' (r' F) (R F')$
	R F L F	$y' (F R F') r (U R') U' r'$
	L R F F	$R' U' (R U') (R' U) U R^2 (U R' U) (R U') U' R'$
	F F L R	$R' U^2 R F U' R' U' R U F'$
	F B B F	$(R' U) U (R F') (R' F) U^2 (F' R) F$
	F F B B	$y' R' U' R F (R^2 D') R (U R' D) (R^2 U') F'$

		F R L F	$(R^2 D') (R U') U' (R' D) (R U') U' R$
		L F F R	$y^2 R^2 D (R' U) U (R D') (R' U) (U R')$
		F R L F	$R (U R' U) (R U') (R' U) (R U') (R' U) (R U') U' R'$
		F R L B	$(L' U) U (R U') (R' U) U L (R U') R'$
		F F L B	$y^2 (R U') U' R D (R' U) U (R D') R^2$
		F B L F	$y' F' r (U R') U' (r' F) R$
		F B L R	$R' F' (L' F) (R F') r U$
		F F L R	$y (R' U) (U R') D' (R U') U' (R' D) R^2$
		F F R L	$y (R U') U' (R^2 U') (R^2 U') (R^2 U') U' R$
		R L F F	$y (R F') U' (R^2 F) U' F' U$
		F F B B	$y (R U') (r' F) (R' F) r U (r' F) r$
		F B B F	$y^2 F (R^2 U') R^2 U R^2 U F' y (R U') U' R'$
		R F F L	$y^2 (R U') U' R' U' (R U') R^2 U (L U') R (U L')$
		F L R F	$(R' U) U R (U R' U) (R^2 U') (r' F) R' (F' r)$
		F B L R	$y' R (U R' U) (R U') U' R'$

		R L F F	$y R (U R' U) (r' F) (R F') r U^2 R'$
		R B F F	$B' U' R (U R') B U (R U') U' R'$
		R F F B	$y' (R U') (r' F) R' (F' r)$
		R F F L	$y^2 (F R') U^2 (R F') (R' F) U^2 (F' R)$
		F R L B	$y (R' U) U R U F (R' U) (R U') F'$
		F B R L	$(R U') U' R' U' (R U') R'$
		R L F F	$y' (R U') U' (r' F) R' (F' r) U' (R U') R'$
		B L F F	$y' L R' U' R U L' U^2 (R' U) U R$
		F L B F	$y' L R' U' R U L' U^2 (R' U) U R$
		F R L B	$y (R U') U' (R' U) U (r' F) (R F') R' r$
		F L R F	$y (R' F) U^2 (F' R) (F R') U^2 (R F')$
		F F B B	$(R U') U' R' U' R (U R') U' (R U') R'$
		F F B B	$R (U R' U) y' (R' U) (R U') (R^2 F) (R F' R)$
		F F R L	$y R (U R' U) R U (r' F) R' (F' r)$
		F R F L	$y (R' F) U^2 (F' R) (F R') U^2 (R F')$