

T COLL

	<table><tr><td>B</td><td>B</td></tr><tr><td>F</td><td>F</td></tr></table>	B	B	F	F	$R\ U^2\ R'\ U'\ R\ U'\ R^2\ U^2\ R\ U\ R'\ U\ R$
B	B					
F	F					
	<table><tr><td>L</td><td>R</td></tr><tr><td>L</td><td>R</td></tr></table>	L	R	L	R	$R'\ U\ R^2\ D\ L'\ B^2\ L\ D'\ R^2\ U'\ R$
L	R					
L	R					
	<table><tr><td>L</td><td>R</td></tr><tr><td>F</td><td>F</td></tr></table>	L	R	F	F	$R'\ U\ R\ U^2\ L'\ R'\ U\ R\ U'\ L$
L	R					
F	F					
	<table><tr><td>B</td><td>B</td></tr><tr><td>L</td><td>R</td></tr></table>	B	B	L	R	$F\ U'\ L'\ U\ R^2\ U'\ L\ U\ R^2\ F'$
B	B					
L	R					
	<table><tr><td>B</td><td>R</td></tr><tr><td>F</td><td>R</td></tr></table>	B	R	F	R	$y'\ x\ U\ R\ U'\ L\ U\ R'\ U'\ r'$
B	R					
F	R					
	<table><tr><td>L</td><td>B</td></tr><tr><td>L</td><td>F</td></tr></table>	L	B	L	F	$y'\ r\ U\ R'\ U'\ L'\ U\ R\ U'$
L	B					
L	F					

U COLL

	<table><tr><td>B</td><td>B</td></tr><tr><td>F</td><td>F</td></tr></table>	B	B	F	F	$y' R' U' R F R^2 D' R U R' D R^2 U' F'$
B	B					
F	F					
	<table><tr><td>F</td><td>B</td></tr><tr><td>B</td><td>F</td></tr></table>	F	B	B	F	$R' U^2 \times R U' R' U \times' U^2 F' R F$
F	B					
B	F					
	<table><tr><td>L</td><td>R</td></tr><tr><td>F</td><td>F</td></tr></table>	L	R	F	F	$R' U' R U' R' U^2 R^2 U R' U R U^2 R'$
L	R					
F	F					
	<table><tr><td>B</td><td>B</td></tr><tr><td>L</td><td>R</td></tr></table>	B	B	L	R	$R' U^2 R F U' R' U' R U F'$
B	B					
L	R					
	<table><tr><td>F</td><td>R</td></tr><tr><td>L</td><td>F</td></tr></table>	F	R	L	F	$R^2 D' R U^2 R' D R U^2 R$
F	R					
L	F					
	<table><tr><td>L</td><td>F</td></tr><tr><td>F</td><td>R</td></tr></table>	L	F	F	R	$U^2 R^2 D R' U^2 R D' R' U^2 R'$
L	F					
F	R					

L COLL



B	B
L	R

$(U \text{ or } U') R' U^2 R' D' R U^2 R'$
 $D R^2$

B	B
F	R



B	B
L	F

$(U^2) R U^2 R D R' U^2 R D' R^2$

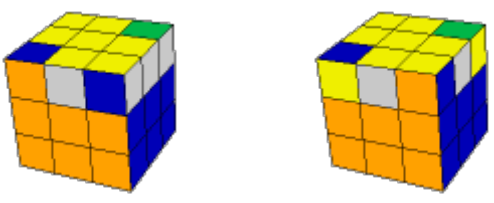
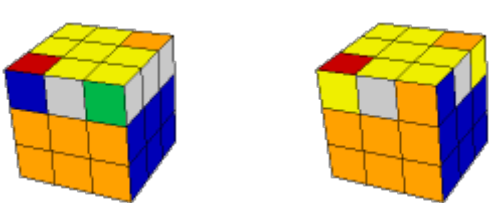
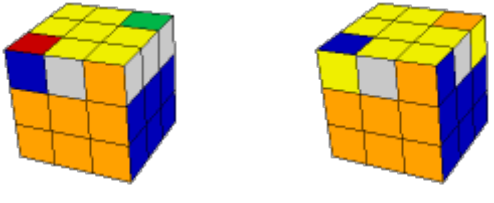
B	B
L	F



F	R
L	F

$(U^2) R U (R' U R U')^3 U' R'$

L	B
---	---

	F R	
	F B L F F B L F	$(U2) \times R' U R D' R' U' R D$
	F B L R L R R F	$(U2) \times U R' U' L U R U' r'$
	L B F R	$(U2) L' U2 R U' R' U2 L R U' R'$

	<table><tr><td>F</td><td>R</td></tr><tr><td>R</td><td>F</td></tr></table>	F	R	R	F	
F	R					
R	F					



Pi COLL

	<table><tr><td>L</td><td>R</td></tr><tr><td>L</td><td>R</td></tr></table>	L	R	L	R	$U^2 L U' R' U L' U R U R' U R$
L	R					
L	R					
	<table><tr><td>F</td><td>B</td></tr><tr><td>B</td><td>F</td></tr></table>	F	B	B	F	$R' F^2 y' U R^2 U' R^2 U' F' y R U^2 L$
F	B					
B	F					
	<table><tr><td>B</td><td>R</td></tr><tr><td>F</td><td>R</td></tr></table>	B	R	F	R	$R U^2 R^2 U' R^2 U' R^2 U^2 R$
B	R					
F	R					
	<table><tr><td>L</td><td>B</td></tr><tr><td>L</td><td>F</td></tr></table>	L	B	L	F	$F R^2 U' R U' R U' R' U^2 R' U R^2 F'$
L	B					
L	F					
	<table><tr><td>L</td><td>F</td></tr><tr><td>F</td><td>R</td></tr></table>	L	F	F	R	$y' R' U^2 R U R' U R^2 U' L' U R' U' L$
L	F					
F	R					

	<table border="1"> <tr> <td>F</td> <td>R</td> </tr> <tr> <td>L</td> <td>F</td> </tr> </table>	F	R	L	F	$y R U^2 R' U' R U' R^2 U L U' R U L'$
	F	R				
L	F					

H COLL

	<table border="1"> <tr> <td>B</td> <td>B</td> </tr> <tr> <td>F</td> <td>F</td> </tr> </table>	B	B	F	F	$F (R U R' U')^3 F'$
B	B					
F	F					
	<table border="1"> <tr> <td>L</td> <td>R</td> </tr> <tr> <td>L</td> <td>R</td> </tr> </table>	L	R	L	R	$R U^2 R' U' R U R' U' R U' R'$
L	R					
L	R					
	<table border="1"> <tr> <td>L</td> <td>R</td> </tr> <tr> <td>F</td> <td>F</td> </tr> </table>	L	R	F	F	$y' R' U' R U' R' U' L U' R U L'$
L	R					
F	F					
	<table border="1"> <tr> <td>B</td> <td>R</td> </tr> <tr> <td>F</td> <td>R</td> </tr> </table>	B	R	F	R	$y F R U' R' U R U^2 R' U' R U R' U' F'$
B	R					
F	R					

	<table><tr><td>L</td><td>R</td></tr><tr><td>F</td><td>F</td></tr></table>	L	R	F	F	$URUR'UL'URU'LU^2R'$
L	R					
F	F					
	<table><tr><td>R</td><td>B</td></tr><tr><td>F</td><td>F</td></tr></table>	R	B	F	F	$U'L'RUR'U'LU^2RU^2R'$
R	B					
F	F					
	<table><tr><td>B</td><td>F</td></tr><tr><td>L</td><td>R</td></tr></table>	B	F	L	R	$U'RUR'URU^2R'$
B	F					
L	R					
	<table><tr><td>B</td><td>L</td></tr><tr><td>L</td><td>R</td></tr></table>	B	L	L	R	$U'RU'L'UR'U'L$
B	L					
L	R					
	<table><tr><td>B</td><td>L</td></tr><tr><td>L</td><td>F</td></tr></table>	B	L	L	F	$UR^2D'RUR'R'DRU'RUR'UR$
B	L					
L	F					
	<table><tr><td>B</td><td>R</td></tr><tr><td>L</td><td>F</td></tr></table>	B	R	L	F	$URUR'UR^2DR'U^2RD'R^2$
B	R					
L	F					

Anti-Sune COLL

	<table><tr><td>L</td><td>R</td></tr><tr><td>F</td><td>F</td></tr></table>	L	R	F	F	$U R' U' R U' L U' R' U L' U^2 R$
L	R					
F	F					
	<table><tr><td>R</td><td>B</td></tr><tr><td>F</td><td>F</td></tr></table>	R	B	F	F	$U R^2 D R' U^2 R D' R^2 U' R U' R'$
R	B					
F	F					
	<table><tr><td>B</td><td>F</td></tr><tr><td>L</td><td>R</td></tr></table>	B	F	L	R	$R U^2 R' U' R U' R'$
B	F					
L	R					
	<table><tr><td>F</td><td>R</td></tr><tr><td>B</td><td>F</td></tr></table>	F	R	B	F	$U L' U R U' L U R'$
F	R					
B	F					
	<table><tr><td>F</td><td>R</td></tr><tr><td>L</td><td>F</td></tr></table>	F	R	L	F	$R' U' R U' R' U R' D' R U R' D R^2$
F	R					
L	F					
	<table><tr><td>B</td><td>R</td></tr><tr><td>L</td><td>F</td></tr></table>	B	R	L	F	$U R U^2 R' U^2 L' U R U' R' L$
B	R					
L	F					