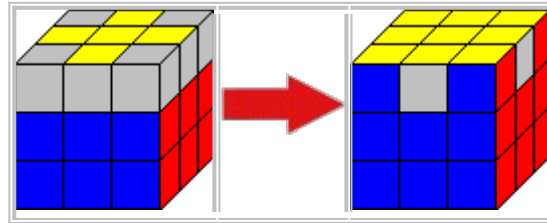
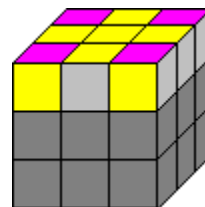


COLL

COLL 可以說是 OLL 的加強版，功用相當於「OLL + PLL 換角」，總共 40 個公式 QQ: 506572478

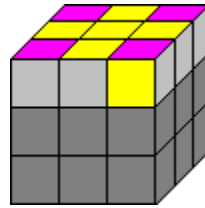
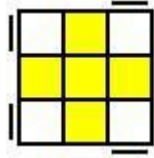


【H Case】



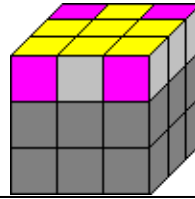
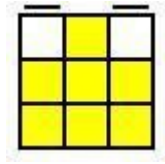
Codes	Pattern	Algorithm	Animation
H1		$F (R U R' U') (R U R' U') (R U R' U') F'$	
H2		$(R U^2') (R' U' R U R' U') (R U' R')$	
H3		$R' U L U' R^2 U L' R' U^2 R U R'$	
H4		$(R B' R' B) (U^2 R^2) (F' L F' L' F^2 R^2)$	

【Pi Case】



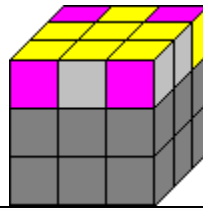
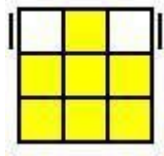
Codes	Pattern	Algorithm	Animation
Pi1		$(R\ U'\ L'\ U)\ (R'\ U)\ (L\ U\ L'\ U\ L)$	
Pi2		$R\ B^2\ U'\ B^2\ U\ B^2\ U\ R'\ L\ U^2\ L'$	
Pi3		$(R\ U^2')\ (R^2'\ U')\ (R^2\ U')\ (R^2'\ U^2\ R)$	
Pi4		$F\ (R^2\ U')\ (R\ U'\ R\ U')\ (R'\ U^2)\ (R'\ U\ R^2)\ F'$	
Pi5		$(R\ U^2)\ (R'\ U'\ R\ U\ R'\ U^2)\ (L'\ U\ R\ U'\ L\ R')$	
Pi6		$(R'\ U^2)\ (R\ U\ R'\ U'\ R\ U^2)\ (L\ U'\ R'\ U\ L'\ R)$	

【U Case】



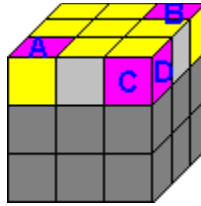
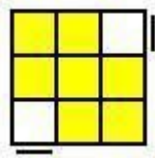
Codes	Pattern	Algorithm	Animation
U1		$(R\ U'\ R'\ U)\ (F'\ L\ F'\ L'\ F^2)\ (R'\ F\ R\ F')$	
U2		$(R'\ U^2)\ (R\ F'\ R'\ F)\ U^2\ (F'\ R\ F)$	
U3		$(R'\ U^2)\ (R\ F\ U')\ (R'\ U'\ R\ U\ F')$	
U4		$(R'\ U'\ R\ U')\ (R'\ U^2)\ (R^2\ U\ R'\ U\ R\ U^2\ R')$	
U5		$(R^2\ D')\ (R\ U^2)\ (R'\ D)\ (R\ U^2\ R)$	
U6		$(L^2\ D)\ (L'\ U^2)\ (L\ D')\ (L'\ U^2\ L')$	

【T Case】



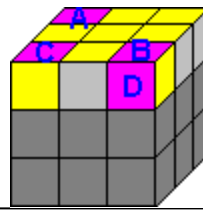
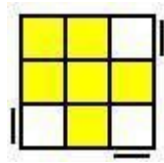
Codes	Pattern	Algorithm	Animation
T1		$(R\ U2')\ (R'\ U'\ R\ U')\ (R2\ U2)\ (R\ U\ R'\ U\ R)$	
T2		$(R'\ U\ R2)\ (D\ L'\ B2\ L\ D')\ (R2\ U'\ R)$	
T3		$(F\ U')\ (L'\ U\ R2\ U')\ (L\ U)\ (R2'\ F')$	
T4		$(R'\ U\ R\ U2')\ (L'\ R'\ U\ R\ U'\ L)$	
T5		$(R'\ F'\ R\ B')\ (R'\ F\ R\ B)$	
T6		$(B'\ R'\ F\ R)\ (B\ R'\ F'\ R)$	

【L Case】



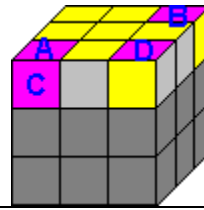
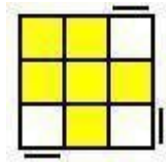
Codes	Pattern	Algorithm	Animation
L1		$F' (R D^2 R' U^2) (R D^2 R' U^2) F$	
L2		$(R U^2 R' D) (R' U^2 R D' R^2)$	
L3		$(L B' D^2 B L') U^2 (L B' D^2 B L')$	
L4		$(R' F R B') (R' F' R B)$	
L5		$(L' B' R' B) (L B' R B)$	
L6		$R' U^2 L U' L' U^2 R L U' L'$	

【S Case】



Codes	Pattern	Algorithm	Animation
S1		U R U R' U L' U R U' L U2 R'	
S2		B' U' R U R' B U R U2 R'	
S3		U' R U R' U R U2 R'	
S4		U' R U' L' U R' U' L	
S5		U R2 D' R U' R' D R U' R U R' U R	
S6		U R U R' U R2 D R' U2 R D' R2	

【As Case】



Codes	Pattern	Algorithm	Animation
As1		U R' U' R U' L U' R' U L' U2 R	
As2		U R2 D R' U2 R D' R2 U' R U' R'	
As3		R U2 R' U' R U' R'	
As4		U L' U R U' L U R'	
As5		R' U' R U' R' U R' D' R U R' D R2	
As6		U R U2 R' U2 L' U R U' R' L	

COLL