

OLL 手法

Gan

1 (R U' U') (R2' F R F') U2 (R' F R F')	2 (F R U R' U' F') (f R U R' U' f')	3 f(R U R' U')f' U' F(R U R' U')F' U R' U')F'	4 f(R U R' U')y x(R' F) (R U R' U')F'	5 (r' U2) (R U R' U) r	6 (r U' U') (R' U' R U' r')	7 r U R' U R U' U' r'	8 r' U' R U' R' U2 r	9 (R' U' R) y' x' (R U') (R' F) (R U R')	10 (R U R' U)(R' F R F') (R U' U' R')
11 r'(R2 U R' U)(R U' U' R' U) (r R')	12 (r R'2 U' R U')(R' U2 R U' R)r'	13 (r U' r' U')(r U r') (F' U F)	14 R' F R U R' F' R (F U' F')	15 (r' U' r) (R' U' R U) (r' U r)	16 (r U r') (R U R' U') (r U' r')	17 F(U R' U' F' U) (F R2 U R' U' F')	18 F (R U R' d)(R' U2) (R' F R F')	19 (r' R U)(R U R' U' r) (R'2 F R F')	20 r'(R U) (R U R' U' r2)(R2' U) (R U') r'
21 (R U' U') (R' U' R U R' U') (R U' R')	22 R U' U' (R'2 U') (R2 U') R'2 U' U' R	23 (R2 D') (R U' U') (R' D) (R U' U' R)	24 (r U R' U') (r' F R F')	25 F' (r U R' U') (r' F R)	26 R U' U' R' U' R U' R'	27 R' U2 R U R' U R	28 (r U R' U') (r' R U) (R U' R')	29 (r U R' U') (R r'2 F R F') (r R')	30 (R2 U R' B')(R U') (R2' U) (R B R')
31 (r' F' U F) (L F' L' U' r)	32 (R U)(B' U') (R' U R B R')	33 (R U R' U') (R' F R F')	34 (R' U' R U) y(r U R' U')r' R	35 R U' U' R2' F R F'(R U' U' R')	36 R' U' R U' R' U R U I U' R' U	37 F (R U' R' U' R U) (R' F')	38 (R U R' U) (R U' R' U') (R' F R F')	39 (r U' r' U' r)y(R U R' f')	40 (R' F R U R' U') (F' U R)
41 R U' R' U2 R U y R U' R' U' F'	42 (R' U R U' U' R' U') (F' U)(F U R)	43 (B' U') (R' U R B)	44 f (R U R' U')f'	45 F (R U R' U') F'	46 (R' U') R' F R F' (U R)	47 B' (R' U' R U)2 B	48 F (R U R' U')2 F'	49 R B' (R2 F)(R2 B) R2 F' R	50 L' B (L2 F') (L2 B') L2 F L'
51 f (R U R' U')2 f'	52 R' U' R U' R' d R' U I U	53 (r' U2) (R U R' U') (R U R' U) r	54 (r U' U') (R' U' R U R' U')	55 (R U' U') (R'2 U') R U' R' U2	56 F (R U R' U')(R F')(r U	57 (R U R' U' r)(R' U) (R U' r')			

			(R U' r')	(F R F')	R' U' r'		
42'	47'	10'	5'	6'	3'	12'	13'
(r' R2)y (R U R' U') y' (R' U R')r	b' U' (R' U R U' R' U R)b	(L U L') y' (R' F R U') (R' F' R)	(l' U2) (L U L' U l)	l U2 L' U' L U' l'	(r' R2 U R' U)(r U2)(r' U r R')	F (R U R' U') y L' F (R U R' U') F'	l U' R' F' R U l' y R' U R

PLL 手法

Gan

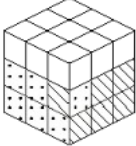
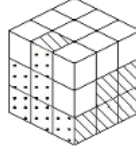
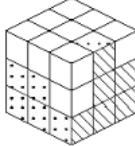
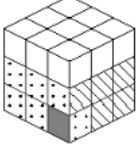
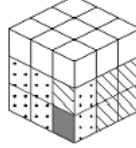
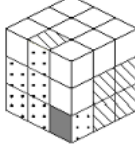
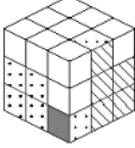
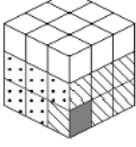
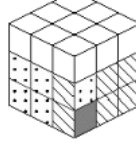
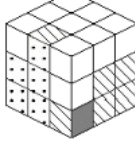
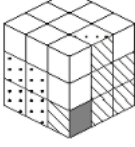
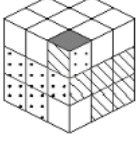
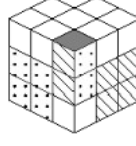
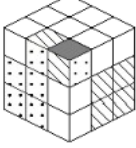
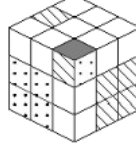
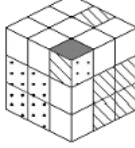
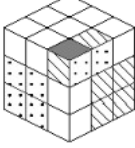
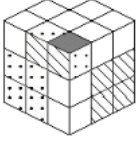
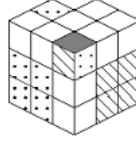
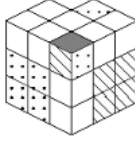
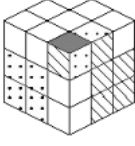
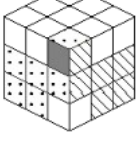
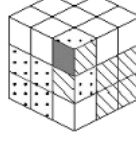
棱换		01.(R U' R)(U R U R)(U' R' U' R2) 02.(R2' U)(R U R' U')(R' U')(R' U R') 03. M2 U M2 U2 M2 U M2 04.(U R' U')(R U' R)(U R U')(R' U R U)(R2 U')(R' U) 01'. (R2 U')(R' U' R U R U)(R U' R) 02'. (R' U R' U')(R' U')(R' U)(R U R'2)
角换		05. x' R2 D2(R' U' R)D2(R' U R') 06. x'(R U' R)z'(R'2 U' L U R2' x y R2) 上式中的 R2' x y 是同时进行的 07.x'(R U' R' D)(R U R')u2'(R' U R)D(R' U' R)
邻角 对棱 对角 邻棱		08.(R U R' U')(R' F)(R2 U' R' U')(R U R' F') 09. U'(R' U R U' R'2 b')x(R' U R)y'(R U R' U' R2) 10. (R' U R' U')yx2(R' U R' U' R2)xz'(R' U' R U R) 11.F(R U' R' U')(R U R' F')(R U R' U')(R' F R F') 09'. z(R U R' U' R U' U')(x' z')(R U R' U') x(U' R' U R U' U') 10'. z(U' R U' l')z(R' U R' U')(l R) (U' R' U R U)
邻角 邻棱 换		12.z(U' R D')(R2 U R' U' R2 U)z'(R U') 13.(R U R' F')(R U R' U')(R' F R2 U' R' U') 14.(R' U2)(R U' U')(R' F R U R' U')(R' F' R2 U') 15. (R U' U')(R' U2)(R B' R' U')(R U R B R2' U)
三角 三棱 换		16. (R2' u' R U' R)(U R' u)(R2 f R' f') 17. (R U R')y'(R2' u' R U')(R' U R' u R2) 18. (R2 u)(R' U R' U')(R u') (R2' F' U F) 19. (R' d' F)(R2 u)(R' U)(R U' R u' R2)
对角 对棱 换		20. z(R' U R')z'(R U2 L' U R') z(U R')z'(R U2 L' U R') 21. z(U' R D')(R2 U R' U')z'(R U R') z(R2 U R')z'(R U')
说明	符号系统: RLUDFB, rludfb(转两层) 如 u 就是上两层顺时针转 90 度 x(整个魔方以 R 的方向转动), y(整个魔方以 U 的方向转动), z(整个魔方以 F 的方向转动),	

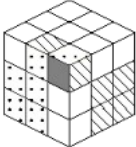
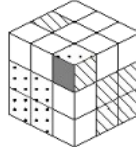
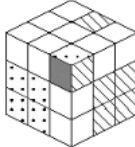
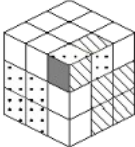
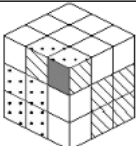
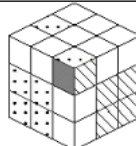
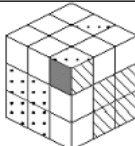
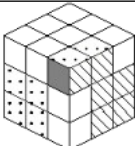
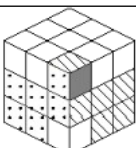
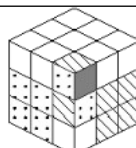
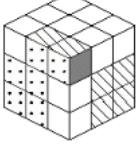
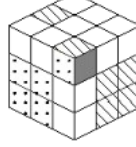
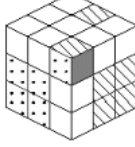
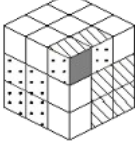
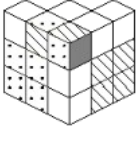
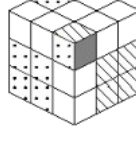
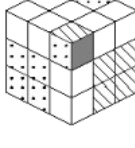
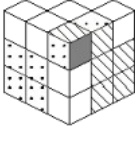
斜体是用右拇指

下划线用左食指

F2I 手法

Gan

 01 $(R \ U' \underline{U}' \ R' \ U) 2 \ y' (R' \ \underline{U}' \ R)$	 02 $(U \ R \ \underline{U}' \ R' \ \underline{U}') y' (R' \ U \ R)$	 03 $(R' \ F' \ RU) (R \ U' \ R' \ F)$ $U' (F' \ RUR' U') (R' \ FR)$	
 04 $(R \ U \ R' \ U') (R \ U' \underline{U}' \ R' \ U')$ $(R \ U \ R')$	 05 $(R \ U' \ R \ U) y (R \ U' \ R' \ F 2)$	 06 $y' (R' \ \underline{U}' \ R \ U) (R' \ \underline{U}' \ R)$	 07 $(R \ U' \ R' \ U) (R \ U' \ R')$
 08 $(RU'R'U) (R \ U' \ \underline{U}' \ R' \ U)$ $(RU'R')$	 09 $R 2 \ y (R \ U \ R' \ \underline{U}') y' (R' \ U \ R')$	 10 $y' (R' \ U) (R \ \underline{U}') (R' \ U \ R)$	 11 $(R \ U \ R' \ \underline{U}') (R \ U \ R')$
 12 $(R \ U \ R' \ \underline{U}') 2 (R \ U \ R')$	 13 $(R \ \underline{U}' \ R') y' (R' \ U 2 \ R)$		
 14 $y' (R' \ U 2) (R \ U \ R' \ \underline{U}') R$	 15 $y' \underline{U}' (R' \ U 2) (R \ \underline{U}' \ R' \ U) R$	 16 $y' (R' \ U \ R \ U' \underline{U}') (R' \ \underline{U}' \ R)$	 17 $y' (U 2 \ R 2' \ U 2) (R \ U \ R' \ U \ R 2)$ $(RUR'U) (RU' \underline{U}' \ R' d) (R' U \ R)$
 18 $(R \ U \ R') U 2 (R \ U \ R' \ \underline{U}') (R \ U \ R')$	 19 $(R \ U' \ R' \ U 2) (R \ U \ R')$	 20 $U (R \ U' \underline{U}') (R' \ U \ R \ U') R'$	 21 $(R \ U' \underline{U}') (R' \ \underline{U}' \ R \ U) R'$
 22 $\underline{U}' (R \ \underline{U}') (R' \ U 2) (R \ U' \ R')$	 23 $\underline{U}' (R \ U \ R') d (R' \ \underline{U}' \ R)$		

 24 $d(R'URU')(R'\underline{U}R)$	 25 $y'(R'\underline{U}R)$	 26 $(dR'URU')(R'U'R)$	 27 $y'(R'U'U')R^2U'R^2U'R'$ $U'(R'U'\underline{U}R'd)(R'U'R)$
 28 $y'(R'U)(Rd'\underline{U})(RU'R')$	 29 $U'(R'U'\underline{U})(R'U^2)(RU'R')$	 30 $U'(RU'R'U')(RU'\underline{U}R')$	 31 $URU'R'$
 32 $\underline{U}'(RU'\underline{U}'R'U)(RU'R')$	 33 $d(R'U'R)d'(RU'R')$		
 34 $y'\underline{U}'(R'UR)$	 35 $(dR'\underline{U}'RU'\underline{U}')(R'UR)$	 36 $d(R'U^2)(RU'\underline{U}')(R'UR)$	 37 $(RU'R'U)(dR'\underline{U}'R)$
 38 $(RU')(R'U)(RU')(R'U^2)(RU'R')$	 39 $\underline{U}'(RU'R'U)(RU'R')$	 40 $(RU'R')$	 41 $\underline{U}'(RU'R'U)(RU'R')$

加下划线的是用左食指完成，斜体是用右拇指