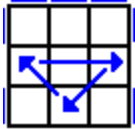
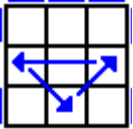
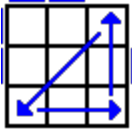
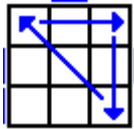
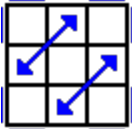
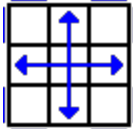
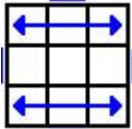
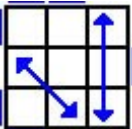
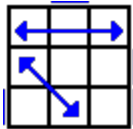
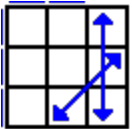
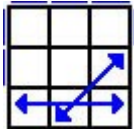
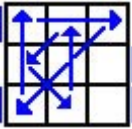
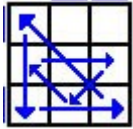
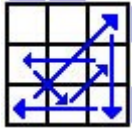
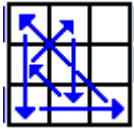
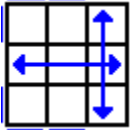
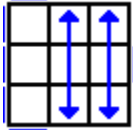
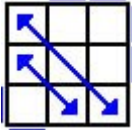
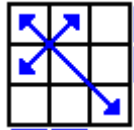
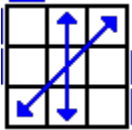
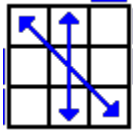
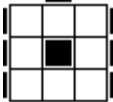
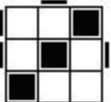
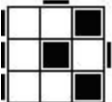
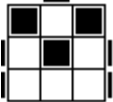
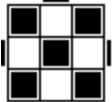
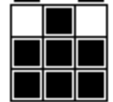
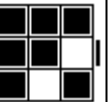
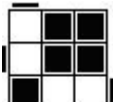
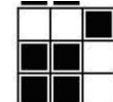
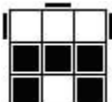
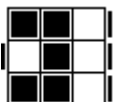
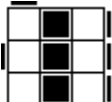
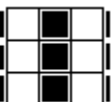
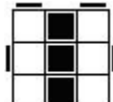
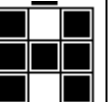
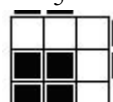
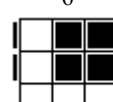
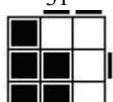
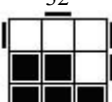
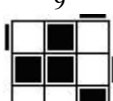
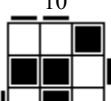
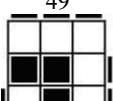
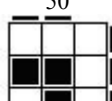
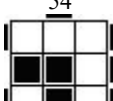
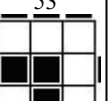
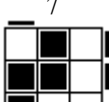
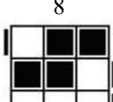
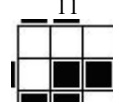
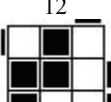
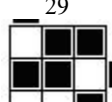
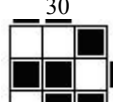
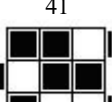
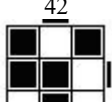
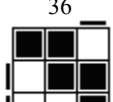
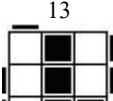
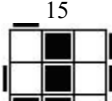
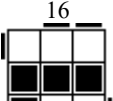
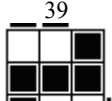
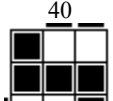
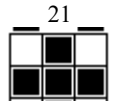
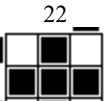
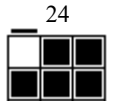
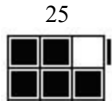
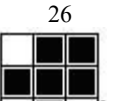
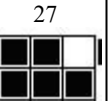
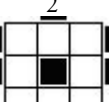
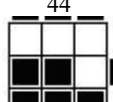
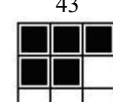
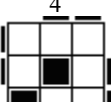
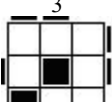
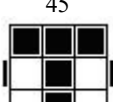
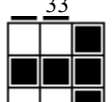
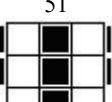
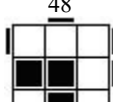
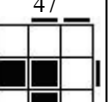


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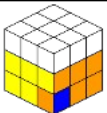
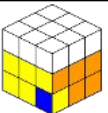
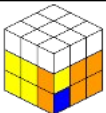
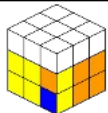
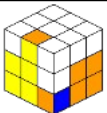
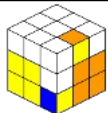
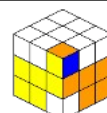
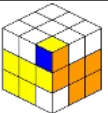
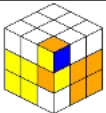
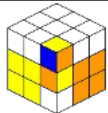
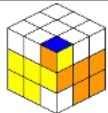
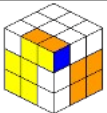
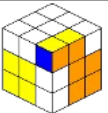
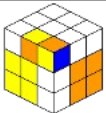
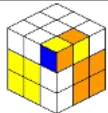
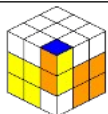
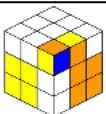
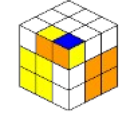
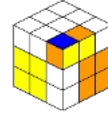
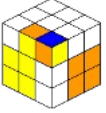
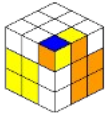
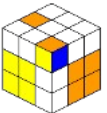
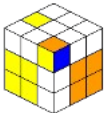
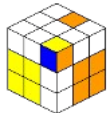
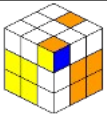
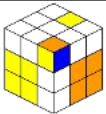
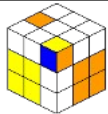
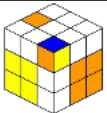
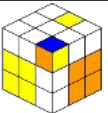
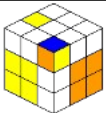
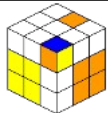
共有 21 种情况

 (f)U'R U'R'U'R'U' RURU'2	 RU'RURURU'R'U'R2	 (r')RU''R(f')R2U' (f)UR(f')R2U'2	 (r')U'2R2U'(f)U'R (f')R2U'(f)UR'
 UR'U'RU'RUR U'RURUR2U'R'U	 (r')Rw RU2 R'w R' U'w U'R2 UD L R U'2 R' R'w' U' U'w' [f'] U'2 R L	 (r)UR'U'Rw(r')URU' Rw2 U'RU Rw(r')U'R'U	
 U'R'U2RU'(r)U'Rw (r')UR'U'(f)U'R (uf')U'R	 (f)UR2U'R (uf'2)RU'(f')U'RURw (r'u)U'RwU'Rw	 RU'2R'U'RU'2 (f)U' (f')UR'U'Rw	 (f)U'R U'w (u)R2UR'U'R2UDR'
 RUR'(u')R2U'wRU'R'UR'D (r')U2	 R2U'wRU'RUR'D (r')U'2RwU'(f)U'	 (f)U'2RwU'RU' R'UR'wU2(r')U'RU	 R'U'R(u)R2D(u)R'URUR U'w R2
 R UR' U'(r'f')U' R U2 (uf)U' R' U' R UR' F' R2 U R2 U' R2 U' D R2 U' R2 U R2 Uw'	 (r)R2 URUR'R' (u)R'U'RU (r)U2 R U' R'U R	 (f)U'RU'R'(rf) R'UR'U'R2 (ur)R'U'RUR (u2)R'UR'U'(u'f2) R'UR'U'R2 (ur)R'U'RUR	 R2 U' R'U R U'(r')U' (f')U' R U' R' U'(f)UR
 UR'(f)RU'R2DR'U'w (u)URU'R2(f')RU'Rw	 U'Rw(r')U'RU2(f)U'RU (f')R'U'RU'2(f)U'RU'w	小写表示整个魔方向公式的方向转,比如 r 意思整个魔方转个 R; 小写 w 表示两层一起转,比如 Rw。 TIPS: F/F'可用拇指推 DR'/R'D 可用[f']RU'/U'R[f] UR'/UR'w 用食指连贯完成 R'U 用尾指连贯完成	

单拧 OLL 手法

		 1 RU'2R2[r'f]RUR' [r]U'2[r']U'RUR'	 17 R'U'[uf]U'RU [r'f]R2UR'U'[f] U'wR[f']RU'	 18 R[u]RU[f] U'RwU'[f]U'2 [f]U'wR[f']RU'	 19 R'wRURUR'U' RwR2[r']URU'	 20 R'wRU RUR'U'Rw2 R2URU'R'w		 23 R2U'w[u]RU'2 R'DRU'2R	 28 RwUR'U'R'w RURU'R
	 35 R'U'2R2[r']U'R'U R'[r]U'2R	 37 R[u]RU'R'U'RUR' [r]U'		 34 RUR'U'[u']R'w U'RUR'Rw	 46 R'U'R' [r'f]RUR' [u']RU	 52 R'U'RU' [f]U'RwU' [f]UR[u]R	 55 [f]U'R2URU' RUD[f]u]RU' R'U'RUR' [r]U'	 56 R[u]RUR'U'R [r]U'Rw [r']UR'U'[f]U'	 57 RUR'U'Rw R'URU'R'w
	 5 [r']U'R2[f] RUR'URw	 6 RwU'2R'U' RU'R'w			 31 [f]DU'[f]u]U RU'R'[uf]U'[f] U'R	 32 RU[u]RU'[r]U' Rw[r']U R'U'R'w			
		 9 R'U'R[r'f]RU'R' [r]U'[r']RUR'	 10 RUR'[r']U'RU [r]U' [r']U'R'U		 49 [r']RU'R2[f]RU '2[f]UR2 [f'2]U'Rw	 50 [r']U'RU'2[f]U' R2[f']R'U'2 [f]UR'		 54 [r']R[f]RU'RU R'U'RUR2U'w	 53 [r']U'[f']U'R U'R'URU' R'U'2Rw
 7 RwUR'U RU'2 R'w	 8 [r']U'[f]U'RU'R' U'2Rw	 11 R'wR2UR'URU'2 R'UR'Rw	 12 [r']DU'2R'U R'U'R2U [f']U'Rw R'	 29 RwUR'U'R [f]U'2[f'r] URU'R'Rw	 30 [r']RU'RU'2 [uf]U'R'U'RUR' [r]U'2	 41 RUR'URU'R'U RU'R'U'[f]U'w R[f']RU'	 42 R'wR2[u]RU R'U'[u'] R'UR'Rw	 36 [f]U'R'UR'U'R UR [f']RwU'[f]U'R	 38 RU'R'URU' R'U'[f]U'wR [f']RU'
	 13 RU[u]RU'R'U' RUR'[r]U'	 14 [f]U'wR [f'r]RUR'[r]U'R [fr']RU'R'		 15 [r']U'[f']U'RwR 'U'RUR'wURw	 16 [r']RUR'Rw [f]RU'[f']U'R [r']U'R'		 39 RwU'[r'f]U' [f']U'Rw[u'f] URU'[r]U'	 40 [f]U'wR[uf]R UR'U'[uf]U'R [u']R	
		 21 RU'2R'U'R UR'URU'R'	 22 RU'2R2U' R2U'R2U'2R		 24 RwUR'U' [f]U'RDR'	 25 (r)UR'U'Rw (r')URU'(f)U'		 26 RU'2R'U'R' R'	 27 (f)U'R2URU' RU
 2 R[u]RUR'U'[uf] U'R2UR [f'u']RU'R'[r]U'	 44 RU[u]RU'R' [r]U'	 43 R'U'[uf]U'RU [u']R	 4 [r']DU'[f']U'Rw U'2 R'wU'RU' RwR2	 3 R'wR2UR'URw U'2R'wUR'Rw'	 45 R[u]RUR'U' [r]U'	 33 RUR'U'[f]U'w R[f]RU'	 51 [f]UR[r'f]RU R'URU'R' [r]U'	 48 R[u]RUR'U'R UR'U'[r]U'	 47 [r']U'R'[r]U' RUR'U'RU [u]R

单拧 F2L 手法共有 41 种情况

 F=Y RU'2R'URU'2R'Dw R'U'R	 F=Y RU2RUR'URU2R2 RUR'U'2RU'R'URU'R'	 F=Y R2U2R'U'RU'R'U2R' RU'R'U'RU'R'U'2RU'R'	 F=Y RUR'U'RU'R'U'2[U']R'U'R	 F=Y RU'R'U'RU'R'DwR'U'R
 F=Y URU'R'U'[u]f]R'UR	 F=O [f]U'RUR'U'RU	 F=Y R U' R' U R U' R'	 F=Y U' R U R' U' R U R'	 F=O U[f]U' <u>R'U</u> R U' <u>R'U</u>
 F=O U'[f]U'RUR[r]UR'U'	 F=O [f]RU'RUR2U'RU	 F=Y U' R U' R'U2 R U'R'	 F=O [f]RU'R'U[r]R'URU'	 F=Y U'R UR' [f']Rw U'[f]U'R
 F=Y U'RURU'RUR'URU'R' (<u>RUR'U'</u>)2 <u>RUR'</u>	 F=O U'F'UF [f]R' U' R U [u']U'R'UR	 F=Y U R U' R'	 F=O [f]RU'R2U[r]R'URU'	 F=Y U'RU'2R'DwR'U'R
 F=Y RU'R'U[u]f]U'RU	 F=Y R U' R' U'2[u]f]U' R U	 F=O [f]U'RUR2[r]URU'	 F=Y U'RU'R'URUR'	 F=O [f]R U' R <u>UR'</u> U' <u>R'U</u>
F=Y 表示 Y (Yellow) 面向前 F = O 表示 O (Orange) 面向前	 F=Y URU'R'U'RU'R'URU'R' U'2 R2 U'2 R' U' R U' R2	 F=O U'[f]U'RURU'RUR'URU [u2]U'2 R2 U'2R U' R' U R2	 F=O [f]U' R2 U R U' <u>R'U</u>	 F=Y R U'2 R' U' R U R'
小写表示整个魔方方向公式的方向转,比如 r 意思整个魔方转个 R; 小写 w 表示两层一起转,比如 Rw	 F=O [f]RU'R'UR2U'RU [u']R2[u]RUR'U'[u']R2	 F=Y U'RUR'U'2RU'R' [u']R2[u']R'U'RU[u]R2	 F=Y U'RUR'URU'R'	 F=Y U'R U' R' Dw <u>R'U</u> R
	 F=O [f]R'U'R2UR2U'RU	 F=Y U'RU2R'U2RU'R'	 F=Y RUR'	 F=O [f]U' R'U [u']R' U' R
	 F=O	 F=Y	 F=Y	 F=O

	U'[ŋ]U'R2UR'U'RU	URU'2R'URU'R'	RU'R'U2RUR' U'2RUR'URU'R'	[ŋ]R2U'R'UR'U'RU
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