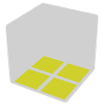


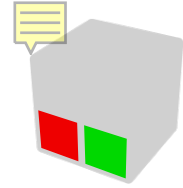
二阶 FF 公式 (底面), 全预判



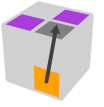
同色面



对色面



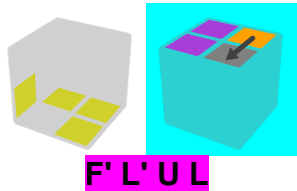
邻色面



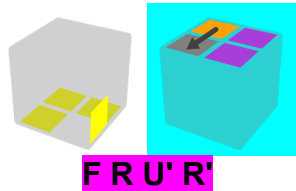
本文包括所有棒情况 [34], 部分棋盘情况 [15], 其他实用情况 [8]. 将仅差一个 AUF 的情况视为同一个情况. 预判底层只需确定底层任意 2 个侧面: 有 2 个同色面 => CLL; 有邻色面, 或 1 个同色面且另 1 个非同色面 => EG1; 有 2 个对色面 => EG2. 左图为情况图, 右图为推荐公式的预判图. 预判顶层只需追踪任意 3 个含顶色的块. 箭头表示公式对块的作用. 颜色标记: 不动块或原地翻转块 (做完公式后紫色面朝上), 箭头起点块, 箭头终点块, 考察块, 就考察块而言与推荐公式等效的公式, 含有不少于 2 个的不动块的情况, 之前出现过的情况的另解情况, 破坏底面棒的公式. 直线箭头表示 1 步到达, 曲线箭头表示 2 步到达. 为简单起见, 对一些情况做了预 AUF. 先预判 OLL, 再预判 EG.

棒

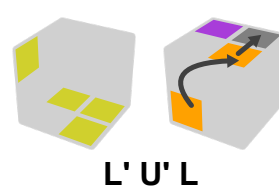
末块 [5]



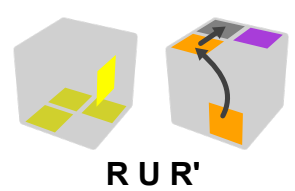
F'L'U'L



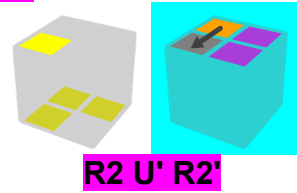
FRU'R'



L'U'L

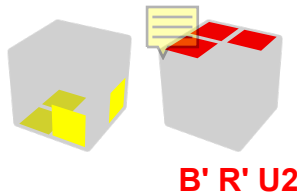


RUR'



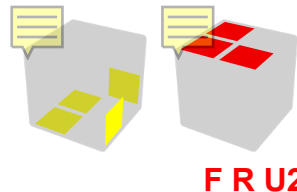
R2U'R2'

2 个在 D [4]



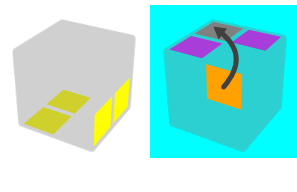
B'R'U2

R'U2RUR'
R'URU2'R'

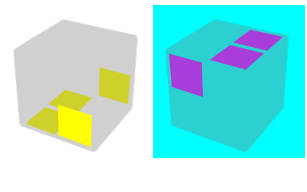


FRU2

RU2'RUR
RUR'U2R

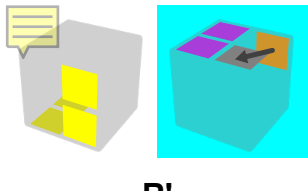


R'UR2U'R

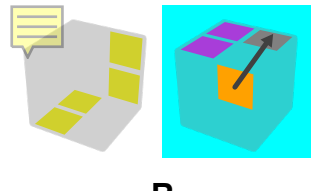


U2RU2'R2'UR2
yFR2U'R2'

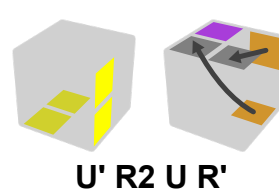
1 个在 D, 1 个在 U [12]



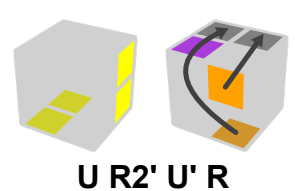
R'



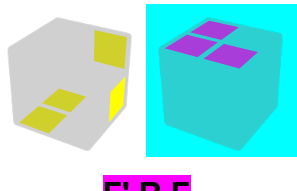
R



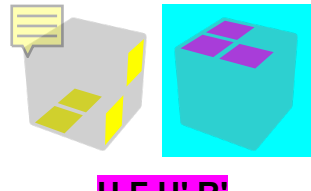
U'R2UR'
F2R2F



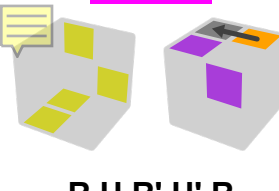
UR2'U'R
F2R2F



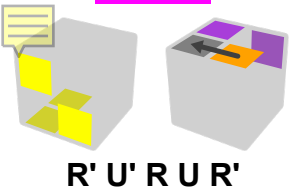
F'RF



UFU'R'



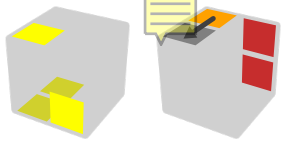
RUR'U'R



R'URUR'
UR2'F'RF

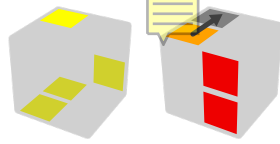
二阶底面, 全预判 [57]

高级



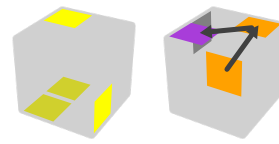
R'

R U' R2'
U2 R' U R U' R'

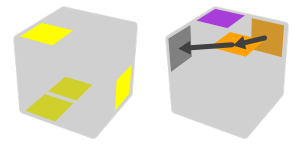


R

R' U R2
U2 R U' R' U R

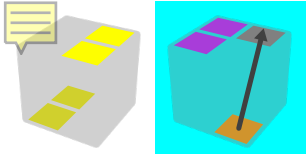


U R U' R

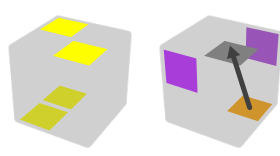


U' R' U R'

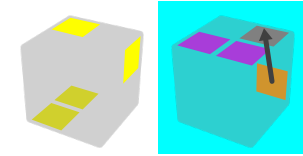
2 个在 U, 1 或 2 个朝 U [6]



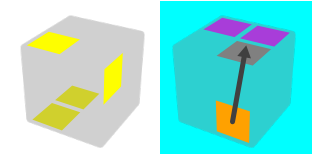
R2



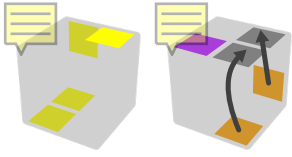
U R U R' U R2
R' U' R U' R2'



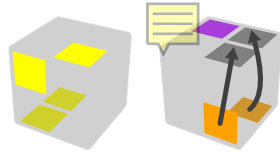
R2' U R U' R
U2 R' U' R'



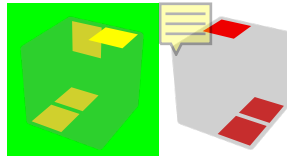
R2 U' R' U R'
U2 R U R



R2 U R' U' R

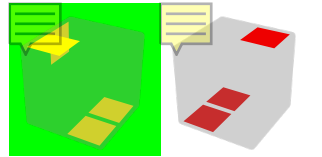


R2' U' R U R'



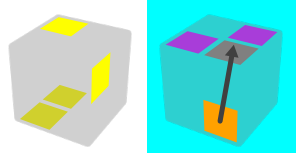
U' R2

R2' F R U' R'

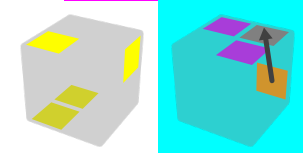


U L2

L2 F' L' U L

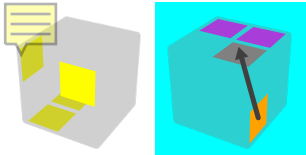


R' U R U' R
U' R' U' R2
U R U2 R

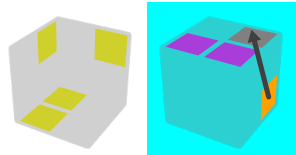


R U' R' U R'
U R U R2'
U' R' U2 R'

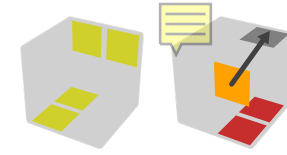
2 个在 U, 没有朝 U [7]



R U' R U R2'

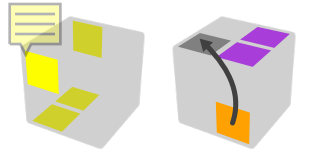


R' U R' U' R2

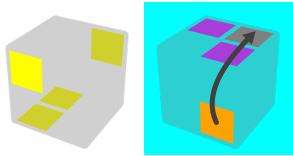


z2

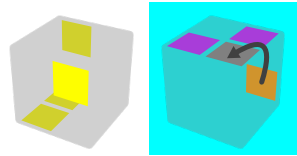
R2 U2' R'
U2 R2' U2' R



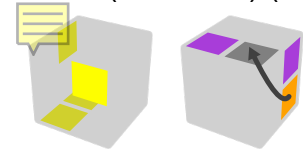
U2 R U2' R2' U' R2
U' (R U' R' U) (R' U' R)



R U' R U R'



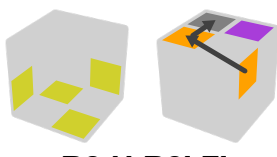
R' U R' U' R



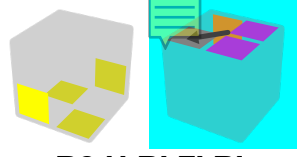
U R2 U' R'

棋盘 (简单)

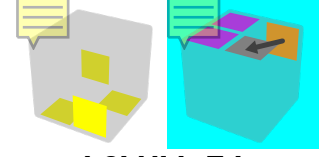
2 个在 D [3]



R2 U R2' F'



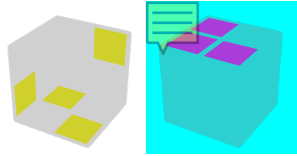
R2 U R' F' R'



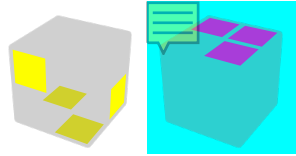
L2' U' L F L

1 个在 D, 1 个在 U [6]

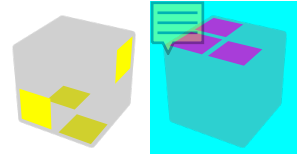
二阶底面, 全预判 [57]



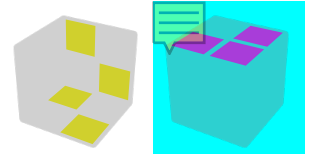
R D R'



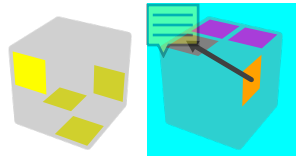
R F R'
U' R F U R'



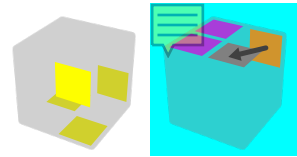
F' R' F



x R U R' F' R'

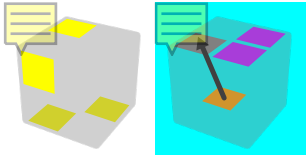


x U' R U' R' U x'

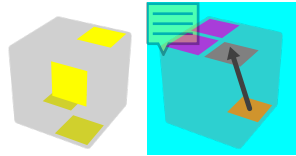


x R U' R' U R' x'

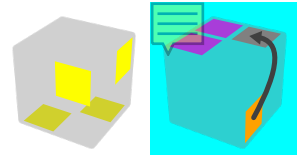
2 个在 U [6]



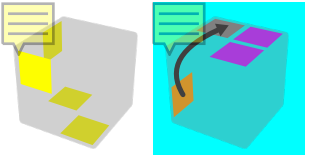
x U L U' L x'



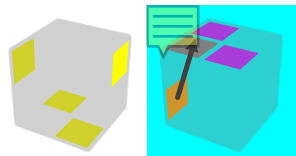
x U' R' U R' x'



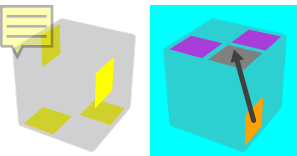
x² R U' R' U L' x



x² L' U L U' R x



R² F R²



L² F' L²

其他 [8]



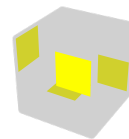
F R²



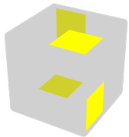
R' F' R'
F' U' R'



F U² R



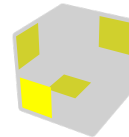
F' U² R



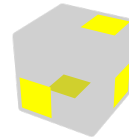
U' F' R²



U F' R²



R² F' R'



R F U² R