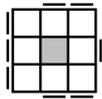


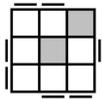
OLL 1

- (R U2) (R2' F R F' U2) (R' F R F')
- R U B' R B R2 U' R' F R F'



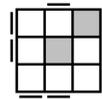
OLL 2

- F (R U R' U') F' f (R U R' U') f
- y2 F' (L' U' L U) F f (L' U' L U) f
- y' r U' r' U2 r U2 R' U2 R U' r'
- y l' U' l' U2 l' U2 L U2 L' U l'



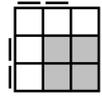
OLL 3

- y f (R U R' U') f U' F (R U R' U') F'
- y2 r' R2 U' R' U' r U2 r' U R' r
- y2 M U l' U2 l U L' U L M'



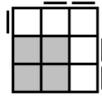
OLL 4

- f (R U R' U') f U F (R U R' U') F'
- R' U2 x R' U R U' y R' U' R' U R' F
- y r' R' U' r U2 r' U' R U' R2' r
- y M U' r U2' r' U' R U' R' M'
- l L2 U' L U' l' U2 l U M'



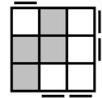
OLL 5

- (r' U2) (R U R' U r) [4]
- y2 l' U2 L U L' U l'



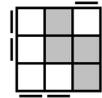
OLL 6

- y2 (r U2) (R' U' R U') r'
- l U2 L' U' L U' l'



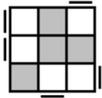
OLL 7

- r U R' U R U2 r'
- F' R' F R U2 R U2 R'
- L' U2 L U2 L F' L F



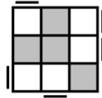
OLL 8

- y2 r' U' R U' R' U2 r
- R U2 R' U2 R' F R F'



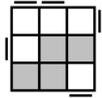
OLL 9

- y' R U' R y' x' R U' R' F R U R' x
- y' R U' R x U' R' U y R U y' R U' x'
- y' R U R' U' R' F R2 U R' U' F'
- y' R U' R y r U' r' U r U r



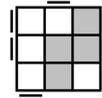
OLL 10

- y' R U R' y R' F R U R' F' R
- y' R U R' y' r U r U' r' U' r
- y' R U R' U R' F R F' R U2 R'
- y' R U' R U R B' R2 U' R U B



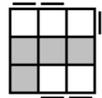
OLL 11

- r' R2 U R' U R U2 R' U r R'
- y2 r U R' U R' F R F' R U2 r'
- y F' L' U' L U F' Y F R U R' U' F'
- R U R' y U' R' U' R y U R' F' R U R U' R' F



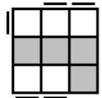
OLL 12

- F R U R' U' F' y F R U R' U' F'
- y F R U R2 F R y' R2 U R U2 R'
- y' r R2 U' R U' R' U2 R U' R' r



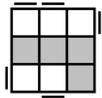
OLL 13

- F U R U' R2' F R U R U' R'
- F U R U2 R' U' R U R' F'
- r U' r' U' r U' y' R' U R
- y2 x' R U R' F' R U R' x y R' U R
- y2 f R U R2 U' R' U R U' f



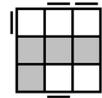
OLL 14

- R' F R U R' F' R y' R U' R'
- y' R' U' y' R' U R2 B R' U' R' U R
- y2 B' U' R' U R2 B R' U' R' U R
- y2 x' R U R' F' R U R' x y R' U R
- y2 r' U r U r' U' r y R U' R'



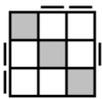
OLL 15

- y2 l' U' l' U' L U L' U l U l
- y2 R' F' R L' U' L U R' F R
- r' U' r' U' R U R' U' r



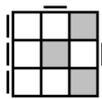
OLL 16

- y2 r U r' R U R' U' r r' r'
- y2 r U M U R' U' r U' r'
- y2 F' R U R' U' R' F R U' y' R U R U y R U' R'



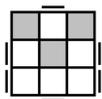
OLL 17

- R U R' U (R' F R F') U2 (R' F R F')
- f (R U R' U') y' r' (R U R' U') R' F R F'
- F R F' I R L' U R U' R' U' M'



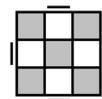
OLL 18

- y' r U R' U R U2 r2' U' R U' R' U2 r
- y2 F R U R' d R' U2 R' F R F'
- R U2 R2 F R F' U2 M' U R U' r'
- l' U' l' U2 L U2 L' U2 r U l



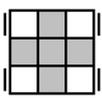
OLL 19

- r' U2 R U R' U' r2 U2' R' U' R U' r'
- R' U2 F R U R' U' y' R2 U2 R B
- r' R U R U' U' r R2' F R F'
- M U R U' U' r R2' F R F'
- M U R U R' U' M' l' U R U'



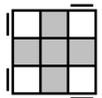
OLL 20

- r' R U R U R' U' r2 R2' U R U' r'
- M U R U R' U' M2 U R U' r'
- r U R' U' M2 (U R U' R') U' M'
- M' U2 M' U2 M' U M U2 M U2 M
- M' U2 M U2 M' U M U2 M' U2 M
- M U2 M' U2 M U M' U2 M U2 M' U'
- M U2 M U2 M U M' U2 M' U2 M' U'
- M' U M' U M' U M' U M U M U M U M U
- M' U M U M' U2 M' U M' U M U M' U M'
- M' U' M' U' M' U2 M' U' M' U' M' U' M' U' M'
- M' U' M U2 M' U' M2 U M' U2 M U M'
- M d r2 U M' U2 M U r2 S'
- M U M F R' F' M2 F R F' U'
- R2 U2 R' F2 U2 R2' F' R2 U2 F2 R U2 R2 U'
- R B U B' R' F2 B D' L' D B' F2
- L' R' F' U2 L2 U2 L2 U2 L2 F L R
- F U2 F' U L' U' B' R' U2 R U' B U L
- F2 M F2 M2 U' M2 F2 M' F2 U
- F2 M F2 U' M2 U B2 M B2
- F' B' R E S R S' R2 E' F B
- B' R' B F2 U' R' U' R' F R2 U F2 R
- B L B' F2 U L U L F' L2 U' F2 L'



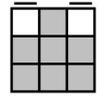
OLL 21

- R U R' U R U' R' U R U2 R'
- y R U2 R' U' R U R' U' R U' R'
- y F (R U R' U') (R U R' U') (R U R' U') F'
- y F' (L' U' L U) (L' U' L U) (L' U' L U) F
- R' U' R U' R' U R U' R' U2 R
- L U L' U L U' L' U L U2 L'
- y l' U2 L U L' U' L U L' U L



OLL 22

- R U2 R2' U' R2 U' R2' U2 R
- f (R U R' U') f F (R U R' U') F'
- y2 f (L' U' L U) f F' (L' U' L U) F
- y2 L' U2 L2 U L2 U L2 U2 L'
- R U2 R2 U' R' U R U' R U' R' y M' U2 M
- R' U L U' R U' L' U' L U' L'
- y2 L U' R U' L U' R U R' U R
- y2 L' U R U' L U' R' U' R U' R'
- R U' L U' R U L U L U L



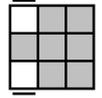
OLL 23

- R2 D' R U2 R' D R U2 R
- L2 D L' U2 L D' L' U2 L'
- R' U2 R F U' R' U' R U F'
- l2 U' R D2 R' U R D2 R
- l2' U' z' U R2 U' L U R2 z' L
- y' R U R' U' (R U' R' U2) (R U' R' U2) R U R'
- y2 R' F2 R U2 R U2 R' F2 R U2 R'
- y2 R2 D R' U2 R D' R' U2 R'
- (R' U' R U) R' U2 R2 U (R' U R U2 R)
- R2' B2 R F2' R' B2 R F2' R



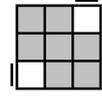
OLL 24

- r U R' U' L' U R U' x'
- r U R' U' r' F R F'
- y' F R U R' U' R U' R U R U R' F'
- y' R U R2' U' R2 U' R2' U2' R U' R U' R'
- y' R U' R' (U2 R U R') (U2 R U R') (U R U' R')
- y x D' R' U R D R' U' R x'
- y x D L U' L' D' L U L' x'
- y x' U' R' D R U R' D' R x
- y2 R' F' r U R U' r' F
- y2 l' U' L U R U' r' F



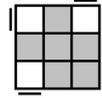
OLL 24

- r U R' U' L' U R U' x'
- r U R' U' r' F R F'
- y' F R U R' U' R U' R U R U R' F'
- y' R U R2' U' R2 U' R2' U2' R U' R U' R'
- y' R U' R' (U2 R U R') (U2 R U R') (U R U' R')
- y x D' R' U R D R' U' R x'
- y x D L U' L' D' L U L' x'
- y x' U' R' D R U R' D' R x
- y2 R' F' r U R U' r' F
- y2 l' U' L U R U' r' F



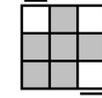
OLL 25

- y2 R' F R B' R' F' R B
- y' F' r U R' U' r' F R
- y' x U R' U' L U R U' r'
- y R' F' L' F R F' L F
- y R' U' (R U R' F') (R U R' U') (R' F R2)
- y2 R U2' R D R' U2 R D' R2'
- y2 F R F' r U R U' r'
- y2 l' U R D' R' U' R D x
- y2 x' L' U' R' U L U' R U
- x' D R U R' D' R U' l'
- x' U L' U' R U L U' l'
- x' R' D R U' R' D' R U x
- x R' U R D' R' U' R D x'
- y2 x L U' L' D L U L' D' x'
- l' U' L' U R U' L U x'
- U r U R U' L' U R' U' x'
- R U2 R' U' R U R' U' R U R' U' R U R'
- R U R' U R U' R' U R U' R' U R U2 R'



OLL 26

- y2 R' U' R U' R' U2 R
- y' R U2 R' U' R U' R'
- y' L U2 L' U' L U' L'
- L' U' L U' L' U2 L
- L' U R U' L U R'
- y' L U R U' L U R'



OLL 27

- R U R' U R U2 R'
- y' R' U2 R U R' U R
- y l' U2 L U L' U L
- y2 L U L' U L U2 L'
- R U' L U' R U' L
- U2 r2 U R U' L' U R U' r'



OLL 28

- rUR'U'rRURU'R'
- yR'U2R'URU'rRUR'URU2R'
- rUR'URU2r'R'U2R'URU'R'
- y'r'UR'UR'R'U2r'R'U2RUR'UR
- y'r'URUM'U'R'UR
- r'U2RU'R'UR'R'UR'UR'U2R
- FRUR'U'F'U2FRUR'U'F'
- FRUR'U'F2L'U'LU'F
- MUM'U2MUM'
- yMU'M'U2MU'M'
- y2M'UMU2M'UM
- y'MUM2UM'U2MUM
- MUMUM'U'M'UMUM
- MUM'UMU2M'U'M'UM'
- yMU'M'U'M'UMUMUM'
- y2MU'M2U'M'U2MUM'
- y'MUM'UMUM'UMUM'
- y'M'UMUMUM'UM'UM2
- y'M2UM'U2MUMUMU2M'UM
- y2M'UMU'M'UMUMUM'U'M2
- MU'M2U2M'U'MU2M'UM'U'M'
- y'M'U'F2M2U'MU'F2U'M2
- y2M'U'F2M2UMU'F2U'M2



OLL 29

- y2R'FRFR'U2R'd'L'U'L
- y2R'FRFR'U2R'U'y'R'U'R
- y2R2'U'RF'R'UR2'U'R'F'R
- y(RUR'U')(R'U'R'F)U'(FRUR')
- yR'U2R2U'R'U'R'U2FRF'
- MU(RUR'U')(R'FRF)M'
- y2rU2R'UR'U'r'U2RU'R'UR



OLL 30

- y2FR'FR2U'R'U'RUR'F2
- l'U'R'U'l'U2dLUL'
- fRU2U'R'UR2U'R'f
- y2FURU'x'UR'D'R'U'R'
- R2'UR'B'R'UR2'URBR'
- M'U'(L'U'LU)(L'F'L'F)M'
- y2M'U'(R'URU)x(R'U'R'U)Mx
- r'U2RU'R'UR'U2R'UR'UR'



OLL 31

- L'd'RdLU'L'B'L
- S'L'ULUL'F'L'f
- yxUR'U'URUR'UR'UR'
- y2R'U'FUR'UR'F'R
- L'U'BU'LU'L'B'L



OLL 32

- RdL'd'R'URBR'
- SRUR'U'R'FRf
- yx'URUI'UR'UR'UR'UR
- RUB'U'R'URBR'
- y2FURU'F'rUR'U'r'



OLL 33

- RUR'U'R'FRF'
- R'URUI'UR'U(x)



OLL 34

- RUR'U'x'D'URE'z'
- y2R'URU'y'x'RU'L'U'M'
- RUR'U'y'r'URUM'
- (RU'R'U')B'(R'FRF)B
- RUR'd'l'U'LU'r
- RUR2U'R'FRUR'U'F'
- y2FRUR'UR'F'rUR'U'r'



OLL 35

- RU2R2'FRFR'U2R'
- y'R'U2(RI)U'R'U'l'U2R



OLL 36

- R'UR'UR'URURBR'B
- y2(L'U'LU)(L'ULU)(L'F'L'F)
- (RUR'U)y(L'U2LU)y'(RUR)



OLL 37

- x'URUI'UR'UR
- l'UR'U'y'RUR'U'z'
- yFRUR'R'URUR'F'
- RB'R'BU'BU'B'
- yFR'FRURUR'F'
- yR'FRF'U'F'UF



OLL 38

- LUL'ULU'L'U'L'BLB'
- y2RUR'URUR'UR'FRF'
- (L'U'LU)y'(RU2R'U)y(L'U'L)



OLL 39

- LF'L'U'LU'FU'L'
- y2fLFL'U'L'ULS
- y2RB'R'URUB'U'R'
- y2x'RUR'xR'URU'x'UF'I'



OLL 40

- R'FRUR'U'F'UR
- y2fR'FRUR'UR'S'
- y2L'BLUL'U'B'UL



OLL 41

- RU'R'U2RUyRU'R'y'UR'
- yRU2'R'URUR'2(y)L'U'LU'F
- y2FURU'R'FR'U2RU'R'UR
- y2RU'R'URU2R'FRUR'U'F'
- y2rR2'y'R'URUyRU'M
- y2R2Lz'l'URdLU'L'l'



OLL 42

- r'R2yRUR'U'y'RU'M'
- R'URUFURUR'UR'URU'F'
- L'ULU2L'U'y'LU'LU'F
- yR'U2RU'R'UR2yRU'R'U'F'
- y(R'FRF)*2RU'R'URUR'
- y2L2R'zrUL'd'RUR'r



OLL 43

- fL'U'LU'f
- B'U'R'URB
- y2F'U'L'ULF
- URUR'F'L'U'LF
- y2R'U'FR'FRUR



OLL 44

- fRUR'U'f
- y2FURU'R'F'
- yRU'y'LU'L'B'
- yFUR'FRF'U'F'



OLL 45

- F(RUR'U)F'
- f(U'L'UL)f
- y2f(U'RU'R')f
- y2F'(L'U'LU)F



OLL 46

- R'UR'FRF'UR
- R'U'U'F'UR
- yFU'F'U'U'F'
- RUI'UR'U'F'I'
- y2LFU'RUR'F'L'
- RUR'2U'R'FRUR'U'F'



OLL 47

- F'L'U'LU'L'U'LU'F
- R'U'xR'URUR'URU'xUR
- b'U'R'URUR'URb
- y'rUR'URU2r'R'U2RUR'UR



OLL 48

- FRUR'U'RUR'U'F'
- y2fURU'R'URUR'f'
- yR'U2R'URU'r'R'UR'UR'U2R
- y'r'URUR'U2rRU2R'UR'UR'



OLL 49

- RB'R2FR2BR2F'R
- l'U'U'U'U'U'U'U'U'
- y2rU'r2U'r2U'r2U'r
- y2R'FR'FR2d2y'R'FRF'
- y2rU2R2'U'R2U'rR'U2R
- (y'x)U'l'U2RU2l'U2R'U(x)
- y'R'U2RU'R'URFRUR'U'F'



OLL 50

- y2R'FR2B'R2F'R2B'R'
- r'U'r2U'r2'U'r2U'r
- RB'RBR2'U2FR'F'R
- y2l'U'U'U'U'U'U'U'
- r'UR2'UR2U'rUR'U2R'
- y'[R'U2R'UR'UR'U'F']
- (y'x)U'rU2L'U2r'U2LU'U(x)



OLL 51

- FURU'RURUR'F'
- y2FRUR'URUR'U'F'



OLL 52

- R'URUR'dR'URB
- RUR'URd'RUR'F'
- y2R'U'xUR'URUR'U'RxUR
- (RUR'URU2R)U(FURU'R'F')



OLL 53

- l'U'LU'L'ULU'L'U2l
- y'lU2LUL'U'LU'U'l'
- y2r'U'R'UR'URUR'U2r
- y'r'U2RU'R'URUR'U'r
- y'rU2R'UR'U'rRU2R'UR'UR'
- rUR'URU2r'RU'RU2R'



OLL 54

- rUR'URUR'URU2r'
- y'rU2R'URUR'URUR'
- y2lU'LU'LU'LU'U'l'
- y'l'U2LU'LU'LU'U'l'
- y2r'U'R'UR'U2r'R'UR'UR'U2R
- y'r'U2RU'R'UR'U2RU'R'UR



OLL 55

- RU2R2U'RUR'U2FRF'
- R'U2R2UR'URU2y'l'U'l
- rU2R2FRF'U2r'FRF'
- yR'FRUR'FRUR'FRUM'UM
- LF'L'U'LF'L'ULFL'U'M'UM
- (LF'L'U'LF'L'ULFL'U'L)(R'FR)L'
- Rd'R2DR'U2RD'R2dR'



OLL 56

- rURURURURUR'rUR'
- r'U'rUR'URUR'URUR'
- LF'L'URUR'URUR'LF'L'
- FRUR'URF'rUR'U'r'
- RBR'ULU'L'ULU'L'RB'R'



OLL 57

- RUR'UR'URUR'U'r'
- (x)M'URUM'UR'U(x)
- R'URUM'UR'U'r
- MUMUMU2M'UM'UM'
- MUMUMU2M'UM'UM'
- M'U'M'U'M'U2M'U'M'U2M'
- MUM'U'MUM'UMU2M'
- M'U'MUM'U'M'U2M

- yM'UMUM'UM'UM'UM
- yM'U'M'U'M'UMUMUM
- yMUM'UMUM'UM'UM'
- yMUM'UMUM'UM'UM'
- MUM'U'F2MUM'U'F2
- M'U'MU2M'U'M'U2M
- M2U'F2U'M'U2F2UM
- FM'FU2M2U'F'M'F'