

F2L

RedCyclone05

Basic Algorithms

Working Slot

Group

	Case Name Main Algorithm Alternative Algorithm Alternative Algorithm 2 or Case from another angle.
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Front Right

Free Pairs

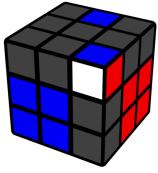
	F2L1 U R U' R' R' F R F'
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	F2L2 F R' F' R y' U' R' U R
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	F2L3 F' U' F y' R' U' R
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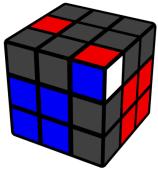
	F2L4 R U R' y' f R f'
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Disconnected Pairs



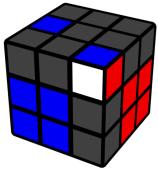
F2L5

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



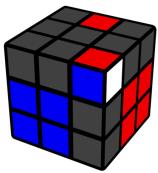
F2L6

U' r U' R' U R U r'
y' U R' U' R U2 R' U R
y F2 R U R' U' F2



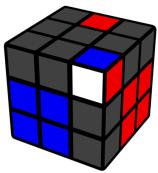
F2L7

U' R U2 R' U' R U2 R'
M' U' M U2 r U' r'



F2L8

d R' U2 R U R' U2 R
r' U2 R2 U R2 U r



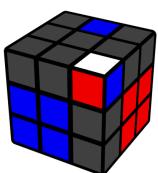
F2L9

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



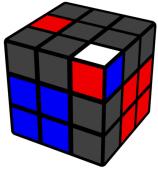
F2L10

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



F2L11

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



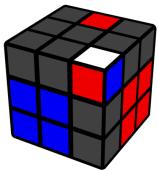
F2L12

y' U' R' U2 R U' R' U R
y U' L' U2 L U' L' U L



F2L13

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



F2L14

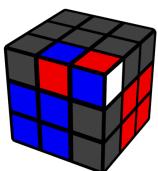
r U' r' U2 r U r'
F' L' U2 L F

Connected Pairs



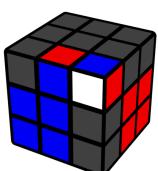
F2L15

y' R U2 R2 U' R2 U' R'
U' R U2 R' U F' U' F



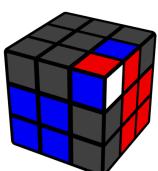
F2L16

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



F2L17

y' U R' U R U' R' U' R
M' U' R U R' U2 R U' r'



F2L18

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



F2L19

R' D' R U' R' D R U R U' R'
R U R' U2 R U' R' U R U' R'
M U r U' r' U' M'



F2L20

R U' R' U2 F' U' F
R U' R' U2 y' R' U' R
U F U R U' R' F' R U R'
r U r' U r U2 r' U' r U' r'



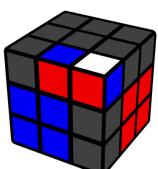
F2L21

R U2 R' U' R U R'
y2 L U2 L' U' L U L'



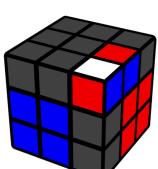
F2L22

y' R' U2 R U R' U' R
R' F R F' R U' R' U R U' R'



F2L23

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



F2L24

F U R U' R' F' R U' R'
y' R' U' R U2 R' U' R U R' U' R
U' R U R2 F R F' R U' R'

Corner In Slot



F2L25

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



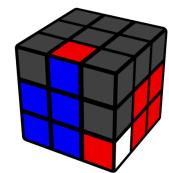
F2L26

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



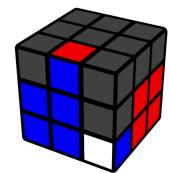
F2L27

R U' R' U R U' R'
F' U' F U2 R U' R'



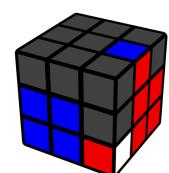
F2L28

R U R' U' F R' F' R
y L' U L U' L' U L



F2L29

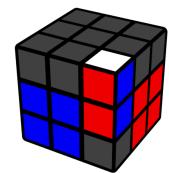
R' F R F' U R U' R'
y' R' U' R U R' U' R



F2L30

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

Edge In Slot



F2L31

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



F2L32

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



F2L33

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



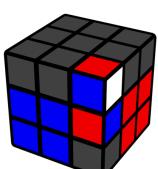
F2L34

U R U R' U2 R U R'
U' R U2 R' U R U R'
U R' D' R U' R' D R
U' R' D' R U R' D R



F2L35

U' R U R' U F' U' F
U' R U R' d R' U' R
U M' U R U' r' R U' R'



F2L36

U F' U' F U' R U R'
U2 R' F R F' U2 R U R'

Pieces In Slot



F2L37

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



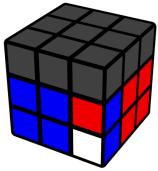
F2L38

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



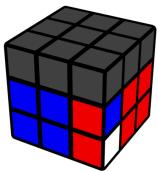
F2L39

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



F2L40

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



F2L41

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



F2L42

It's ready

Front Left

Free Pairs



F2L1

F' r U r'
F' L F L'



F2L2

U' L' U L
L F' L' F



F2L3

L' U' L
U2 R' F R U R' F' R



F2L4

F U F'
y L U L'

Disconnected Pairs



F2L5

U R' F r U' r' F' R
U2 F R U R' U2 F'



F2L6

U L' U' L U2 L' U L
F2 R U R' U' F2



F2L7

F U R U2 R' U F'
d' L U2 L' U2 L U' L'



F2L8

U L' U2 L U L' U2 L
U r' F2 r U2 r' F r



F2L9

U L' U' L U' L' U' L
F2 U R U' R' F2



F2L10

U L' U L U' F U F'
F U' R U R' U2 F'



F2L11

U L' U L2 F' L' F L' U L
y U L U2 L' U L U' L'



F2L12

U' L' U2 L U' L' U L
L' U L U' L' U L U' L' U' L



F2L13

I' U I U2 I' U' I
F R U2 R' F'



F2L14

L' U L U2 L' U' L
U2 L' U' L U' L' U L

Connected Pairs



F2L15

L' U L U' L' U L U2 L' U L
L U2 L2 U' L2 U' L'



F2L16

U L' U2 L U' F U F'
U L' U2 L d' L U L'



F2L17

U L' U L U' L' U' L
y' R U' R' U2 R U' R' U F' U F



F2L18

d' L U' L' U L U L'
y U' L U' L' U L U L'



F2L19

L' U L U2 F U F'
F U2 R U R' U F'



F2L20

F U' R U' R' U2 F'
L' U' L U2 L' U L U' L' U L



F2L21

y L U2 L' U' L U L'
L F' L' F L' U L U' L' U L



F2L22
 $L' U2 L U L' U' L$



F2L23
 $F' U' L' U L F L' U L$
 $F U' R U R' U R U2 R' F'$



F2L24
 $U' L' U L U L' U L U' L' U L$
 $U' F' r U r' U' L' U' L$

Corner In Slot



F2L25
 $U' L' U L F' r U r'$
 $U' L' U L F' L F L'$



F2L26
 $r U r' U' r' F r F'$
 $U L F' L' F L' U' L$



F2L27
 $L' U' L U F' r U r'$
 $L' U' L U F' L F L'$



F2L28
 $L' U L U' L' U L$
 $L' U L2 F' L' F$



F2L29

L' U' L U L' U' L
U L' U2 L U2 L' U' L



F2L30

L F' L' F U' L' U L
y' R U R' U' R U R'

Edge In Slot



F2L31

U L F' L' F L' U L
L' U L U' y L U' L'



F2L32

U' L' U L U' L' U L U' L' U L
U L' U L U' L' U2 L U L' U' L



F2L33

R' D R U' R' D' R
U L' U2 L U' L' U' L



F2L34

U L' U L U2 L' U L
U L' U L U L' U2 L



F2L35

U2 F U F' U' L' U L
U' F R' F R F' U F'



F2L36

U L' U' L d' L U L'
U2 L' U' L F' L F L'

Pieces In Slot



F2L37

L2 U2 F' L2 F U2 L U' L
L' U2 L U' L' U2 L U' F U F'



F2L38

L' U L U' L' U2 L U' L' U L
F R U2 R' U' R U R' U2 F'



F2L39

L' U' L U L' U2 L U L' U' L
F' L F L2 U2 L U L' U' L



F2L40

L' U L F R U2 R' F'
L' U L R' F R U2 R' F' R



F2L41

I' U I U2 I' U' I L' U' L
L' U L U L' U L U' y' R U R'

	F2L42 It's ready
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Back Left

Free Pairs

	F2L1 U L U' L' U2 L U2 L'
---	---------------------------------

	F2L2 I U L' U' M' d' R' U R
--	-----------------------------------

	F2L3 y R' U' R f' L' f
---	------------------------------

	F2L4 L U L' r B r'
---	--------------------------

Disconnected Pairs

	F2L5 U' L U L' U2 L U' L' U' L U L' U' L U2 L'
---	--



F2L6

U r U' r' U' L U F L'
y U R' U' R U R' U2 R



F2L7

U' L U2 L' U2 L U' L'
U' L U2 L' U' L U2 L'



F2L8

I' U2 L2 U L2 U I
y U R' U2 R U R' U2 R



F2L9

y U R' U' R U' R' U' R
U' L U' L' U f' L' f



F2L10

U' L U L' U L U L'
U2 L U' L' U' L U L'



F2L11

U L U2 L' U L U' L'
L U' L' U L U' L' U L U L'



F2L12

y U' R' U2 R U' R' U R
U' L F U2 F' L' U' L U L'



F2L13

L U' L' U2 L U L'
U2 L U L' U L U' L'



F2L14

I U' I' U2 I U I'
y R' U R U2 R' U' R

Connected Pairs



F2L15

U' L U2 L' U f' L' f
U' L U2 L' d L' U' L



F2L16

L' U2 L2 U L2 U L
L U' L' U L U' L' U2 L U' L'



F2L17

d L' U L U' L' U' L
y U R' U R U' R' U' R



F2L18

U' L U' L' U L U L'
U' L U' L' U L U' L' U' L U' L'



F2L19

L U L' U2 L U' L' U L U' L'
L U2 L' U L U L' U L U' L'



F2L20

L U' L' U2 f' L' f
L2 F' L' F L' U2 L U' L'



F2L21

L U2 L' U' L U L'
L U L' U' L U2 L' U2 L U L'



F2L22

y R' U2 R U R' U' R
U F U R U' R' F' L U L'



F2L23

U L U' L' U' L U' L' U L U' L'
L U L' U2 L U L' U' L U L'



F2L24

U2 r U R' U R U2 B r'
U2 F U R U' R' F' U2 L U' L'

Corner In Slot



F2L25

R D' R' U' R D R' L U L'
L U' L' U' L U' L' U L U L'



F2L26

L S L' U L S' L'
F R2 u R u' R2 F'



F2L27

L U' L' U L U' L'



F2L28

L U2 L F' L' F L'
y R' U R U' R' U R



F2L29

y R' U' R U R' U' R
U2 L U' L' f' L' f



F2L30

L U L' U' L U L'
U' L U2 L' U2 L U L'

Edge In Slot



F2L31

L U' L F' L' F L'
f' L f U' L U' L'



F2L32

L U L' U' L U L' U' L U L'
U L U' L' U L U' L' U L U' L'



F2L33

U' L U' L' U2 L U' L'
U' L U' L' U' L U2 L'



F2L34

U L U L' U2 L U L'
U L' D' L U' L' D L



F2L35

U' L U L' U f' L' f
U2 L U L' U' L F U F' L'



F2L36

U f' L' f U' L U L'
U2 f' L' f U L U' L'

Pieces In Slot



F2L37

L U' L' f' U2 L2 U L2 U f'
f' L f U' L U2 L' U2 L U' L'



F2L38

L U L' U' L U2 L' U' L U L'
L U' L' U' L U L' U' L U2 L'



F2L39

L U L' U2 L U' L' U L U L'
L U' L' U L U2 L' U L U' L'



F2L40

I U' I' U2 I U' I' L U L'
f' L f U2 L U L' U L U' L'



F2L41

f' L f U' L U L' U L U L'
L2 F U F' U' L' U L'



F2L42

It's ready

Back Right

Free Pairs



F2L1

U f R' f'
r' U' R U M'



F2L2

U' R' U R
R f' U' f



F2L3

R' U' R
U2 r' R' F R F' r



F2L4

f R f'
y R U R'

Disconnected Pairs



F2L5

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



F2L6

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



F2L7

r U2 R2 U' R2 U' r'
F R U R2 U' R F'



F2L8

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



F2L9

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



F2L10

U R' U R U' f R f'
y U' R U R' U R U R'



F2L11

y U R U2 R' U R U' R'
U R' F' U2 F R U R' U' R



F2L12

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



F2L13

r' U r U2 r' U' r
y' U2 L U L' U L U' L'



F2L14

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

Connected Pairs



F2L15

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



F2L16

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



F2L17

U R' U R U' R' U' R
U R' U R U' R' U R U R' U R



F2L18

y U' R U' R' U R U R'
d' R U' R' U R U R'



F2L19

R' U R U2 f R f'
R2 F R F' R U R' U2 R



F2L20

R' U' R U2 R' U R U' R' U R
M' U' r' U r U M



F2L21

y' L U2 L' U' L U L'
y R U2 R' U' R U R'



F2L22

R' U2 R U R' U' R



F2L23

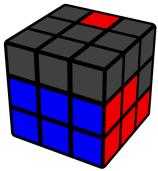
U R' F R' F' R2 U' R' U R
U2 I' U' L U' L' U2 B' I



F2L24

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

Corner In Slot



F2L25

U' R' U M U' R U M'
R' S' R U' R' S R



F2L26

R' U R U R' U R U' R' U' R
R U R U R U' R' U' R'



F2L27

R' U2 R' F R F' R
R' U' R U r' U' R U M'



F2L28

R' U R U' R' U R



F2L29

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



F2L30

y' L U L' U' L U L'
f R f' U' f R f'

Edge In Slot



F2L31

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



F2L32

U' R' U R U' R' U R U' R' U R
R' U' R U R' U' R U R' U' R



F2L33

U' R D R' U R D' R'
U' R' U' R U2 R' U' R



F2L34

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



F2L35

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



F2L36

U2 R' U' R U R' F' U' F R
U R' F R' F' R U' R

Pieces In Slot



F2L37

R' U R r U2 R2 U' R2 U' r'
R' U2 R U' R' U2 R U' f R f'



F2L38

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



F2L39

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



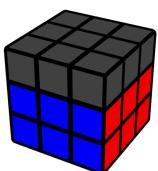
F2L40

R' U R r' U r U2 r' U' r
R' U R f U R2 U' f'



F2L41

r' U r U2 r' U' r R' U' R
R' U R' U' F' U F R2



F2L42

It's ready

Advanced Algorithms

Working Slot

Group

	Advanced Case Name Main Algorithm Alternative Algorithm Alternative Algorithm 2 (Target Slot)
--	--

Front Right

Trapped Corner

	AF2L1 S R' S' R U' R' y R U' R' R U' R' f R' f' (BR Slot)
--	--

	AF2L2 L F' U2 F L' R U' R' L U2 L' L R U' R' U2 L' (BL Slot)
--	---

	AF2L3 R U' R' U F' r U r' R U' R' U F' L F L' y' R' U2 R2 U' R' (FL Slot)
--	--

	AF2L4 F R' F' R U R' U2 R R U R' U2 S U' R' U R S' R U R' U2 f R f' (BR Slot)
--	--



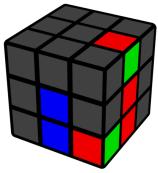
AF2L5

R U R' U L U L'
U' R U2 M' B r'
U' R U2 R' L U L'
(BL Slot)



AF2L6

R U R' F U F'
F R' F' R L' U L
R U R' b L b'
(FL Slot)



AF2L7

U' F' U' f R S'
y U' L' U' L R U R'
R U' R' U' R U' R' f R f'
(BR Slot)



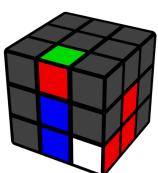
AF2L8

U' F' U2 L U L' F
U' R' F R F' U2 L U L'
y' U R' U2 R F U F'
(BL Slot)



AF2L9

y' U R' U2 R U' R U R'
U R' F R F' R U' R' U' L' U' L
y' U' R' U' R U2 R U R'
(FL Slot)



AF2L10

U' R U R2 U' R U' R' U R
U2 R U' R' U' R' U' R
R' F R F' y R U' R'
(BR Slot)



AF2L11

R' F R F' L U2 L'
R' F R F' U' L U' L'
U2 R U' R' U2 B' U' B
(BL Slot)



AF2L12

R' F R2 U' R' U F'
R' F R F' d R' F R F'
F' U' F U2 L' U' L
(FL Slot)



AF2L13

U R U R2 U2 R
U R U2 R2 U R
U R U' R' S R2 S'
(BR Slot)



AF2L14

U I U' F2 U I'
y U L' U L R' U2 R
U R B' U2 B R'
(BL Slot)



AF2L15

U R L' U L R'
U R U R' U' L' U L
U M F M'
(FL Slot)



AF2L16

R U2 R' U R' U' R
U2 R U' R' U2 R' U R
U2 R U' R' U R' U2 R
(BR Slot)



AF2L17

U2 R U' R' d L' U L
R U2 R' f' L' f
U2 R U' R' y R' U2 R
(BL Slot)



AF2L18

U2 R U' R' L' U L
R U2 R' U' L' U' L
(FL Slot)

Trapped Edge



AF2L19

U' R U R2 U' R
U2 R U R' U2 R' U R
y U' L F2 L' F2
(BR Slot)



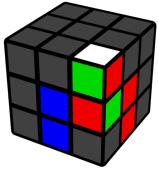
AF2L20

U' R U' R' L U' L'
U' R U' M' B' r'
(BL Slot)



AF2L21

U2 R U R' L' U L
U' R U R2 F R U F'
U' R U R' U2 L' U' L
(FL Slot)



AF2L22

U R' F R F' R' U' R
U R U' R' U R U' R' f R' f'
U R U' R' U S R' S'
(BR Slot)



AF2L23

U2 r2 U B2 U' r2
U' F R' F' R U L U L'
U2 L2 u L2 u' L2
(BL Slot)



AF2L24

U R' F R2 U' R' U2 F'
U R' F R F' U2 L' U' L
R U R' U' R U R' F U F'
(FL Slot)



AF2L25

U' F' R' U' R F
d' R' u' R' u R
U' R U' R' r' U' R U M'
(BR Slot)



AF2L26

U2 R B' U' B R'
y U2 F R' U' R F'
U2 l U' F' U l'
(BL Slot)



AF2L27

U F' U2 F L' U' L
U r' F' D' F D r
U' R U' R' F U2 F'
(FL Slot)



AF2L28

U' R U2 R' f R f'
R' F R F' R U2 R2 U R
U R U R' U f R f'
(BR Slot)



AF2L29
U R U R' L U L'
U' R U2 R' U' L U L'
U R U M' B r'
(BL Slot)



AF2L30
U R F U F' R'
U L u L u' L'
U L D F D' L'
(FL Slot)



AF2L31
R U' R2 U R
y M F2 M'
S R2 S'
(BR Slot)



AF2L32
L F' U F L'
I F' U L' U' M'
y' F R' U R F'
(BL Slot)



AF2L33
R U' R' U2 L' U L
M F2 M'
U F r U2 r' F'
(FL Slot)



AF2L34
U' R U' R' U f R' f'
d' R' D' F' D R
U' R U' R' d L U' L'
(BR Slot)



AF2L35

U2 L U' F' U F L'
U' R U R' y' U' L' U' L
U' R U R' U' f' L' f
(BL Slot)



AF2L36

U' R U' R' y L U2 L'
U' R U' R' U2 F' r U r'
U' R U' R' y' U' R U' R'
(FL Slot)

Both Pieces Trapped



AF2L37

F' U R' U2 R F
R U' R' U' f R f'
R U R' U' B U' B'
(BR Slot)



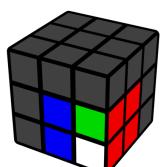
AF2L38

L R U2 R' L'
R U' R' U2 L U L'
R U R' U' L U2 L'
(BL Slot)



AF2L39

R' F R2 U R' F'
R' F R2 U R2 F' R
R' F R2 U R2 F' R2 U2 R'
(FL Slot)



AF2L40

R U' R2 U' R U' R' U' R
R U' R' U' R U' R2 U' R
r U' r' U2 r U r' d' R U R'
(BR Slot)



AF2L41

F' U L' U L U' L U L' F
R U' R' U' R U' R' d' R' U' R
R U' R' y R' U R U R' U' R
(BL Slot)



AF2L42

R U' R' U' R U' R' U2 L' U' L
R U' R' U' L' U L U L' U' L
r U' r' U2 r U r' d R U R'
(FL Slot)



AF2L43

R U' R' U R' U' R U' R' U R
R U R' U' R U' R' U R' U' R
(BR Slot)



AF2L44

R U R' U' R U' R' f' L' f
R U' R' U f' U' L' U L' f
R U' R' y R' U' R U' R' U R
(BL Slot)



AF2L45

R U' R' U' L' U' L U' L' U L
R U R' U' R U' R' U' L' U' L
y' R' U R2 U R' U R U R'
(FL Slot)



AF2L46

F' R' U R U' R' U' R F
R U' R' U' R U R' U f R' f'
R U' R' U' R U R' r' U' R U M'
(BR Slot)



AF2L47

R U' R' U' R U R' L U' L'
R U' R' U' R U M' B' r'
R U R' U' R U2 R' U L U L'
(BL Slot)



AF2L48

R' F R2 U' R' U' R U R' U2 F'
R' F R F' U2 L' U L U' L' U' L
R U' R' U' R U R' U' F U' F'
(FL Slot)



AF2L49

R U R' U2 R U' R' f R f'
F' U' R' U2 R U R' U' R F
R U' R' y R U2 R' U R U' R'
(BR Slot)



AF2L50

R U' R' U R U2 R' L U2 L'
R U' R' U' L U2 L' U L U' L'
R U R' L U' L' U L U L'
(BL Slot)



AF2L51

R U R' d' L U' L' U L U L'
R U R' U' y' R U' R' U R U R'
R U R' L' U L U' L F' L' F L' U L
(FL Slot)



AF2L52

R U' R2 U2 R U R' U2 R
R U' R2 U2 R U2 R' U R
F R' F' R U' R U2 R2 U' R
(BR Slot)

	AF2L53 R U' R' d R' U2 R L' U L F' U2 L' U2 L2 U L' F R U' R' U y L' U2 L R' U R (BL Slot)
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	AF2L54 R U' R' U2 L' U2 L U2 L' U L y' R' U R2 U2 R' U2 R U' R' y' R' U R2 U2 R' U' R U2 R' (FL Slot)
---	--

Front Left

Trapped Corner

	AF2L1 L' U' L U R U' R' M F' M' R L' U' L R' (FR Slot)
--	---

	AF2L2 L' U' L y R U' R' r' U F2 U' r y' R U' R' L U2 L' (BR Slot)
---	--

	AF2L3 L' U' L2 U2 L' L' U2 L2 U' L' (BL Slot)
---	---

	AF2L4 U2 L' U L U' R U R' F U F' U2 R U R' U' F U' R U R2 F' R (FR Slot)
---	---



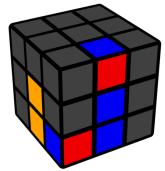
AF2L5

L F' L' F R' U2 R
r U' r' F R' U2 R
y' R U R' U L U L'
(BR Slot)



AF2L6

U2 L' U L U L U L'
F U F' L U L'
L F' L' S' L f
(BL Slot)



AF2L7

U' L' U L R U' R'
U' L' U' L R U R'
(FR Slot)



AF2L8

U L' U2 L f R f'
F U2 R U R2 U' R F'
U' L' U' L d' R U R'
(BR Slot)



AF2L9

U' L' U L U' L U2 L'
U L' U2 L U' L U L'
U' L' U L U2 L U' L'
(BL Slot)



AF2L10

L' U' L F' U' F
U L' U' F' U' F L
L' U' L y' R' U' R
(FR Slot)



AF2L11

L' U' L U' R' U' R
(BR Slot)



AF2L12

F' L F L' U2 L U' L'
L' U' L y U2 R' U' R
L' U' L y' U2 L' U' L
(BL Slot)



AF2L13

U L' U L y' U2 R' U R
U L' U L y U2 L' U L
U L' U L U' F R' F' R
(FR Slot)



AF2L14

U L' U L R' U2 R
(BR Slot)



AF2L15

U L' U L f' L f
U S' L S
U L' U L y R' U R
(BL Slot)



AF2L16

y' U2 R U' R' U2 R' U R
y' U2 R U' R' U R' U2 R
L F L' F L F' L'
(FR Slot)



AF2L17

U2 L F' L' F U2 R' U' R
U R' D R U' R' U' D' R
U2 F U2 R' U' R F'
(BR Slot)



AF2L18

y U2 L U' L' R' U R
y' U2 R U' R' L' U L
(BL Slot)

Trapped Edge



AF2L19

U' F U F2 U' F
y U' L U L2 U' L
U' L F2 L' F2
(FR Slot)



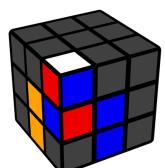
AF2L20

U L' U2 L U R' U' R
U' L' U' L R' U' R
U' L' U' R' U' R L
(BR Slot)



AF2L21

U' L U L2 U' L2 U L'
L' U' L U' L' U L U' L U2 L'
U' L S U2 S' L'
(BL Slot)



AF2L22

U' L F' L2 U L U2 F
d R' F R F' R' U' R
U' L F' L' F U2 R U R'
(FR Slot)



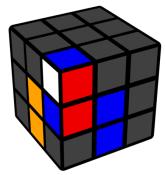
AF2L23

U2 R2 D' F2 D R2
U' L' U L U' L' U L R' U2 R
U2 R2 u' R2 u R2
(BR Slot)



AF2L24

U' L F' L' F L U L'
U' L' U L U' S' L S
(BL Slot)



AF2L25

U' R' u' R' u R
U' L' F' U' F L
U' R' D' F' D R
(FR Slot)



AF2L26

U2 F R' U' R F'
U2 F U' F' U R' U' R
U2 L F' L' F R' U' R
(BR Slot)



AF2L27

U L' U2 L f' L' f
U' F U' F' L U2 L'
U' L' U' L d' R' U' R
(BL Slot)



AF2L28

U' F U2 F' R U R'
U' R U F U' F' R'
U F U2 R U R2 F' R
(FR Slot)



AF2L29

U L' U L R' U R
(BR Slot)



AF2L30

U L' U L R B L' B' M' x'
d L u L u' L'
U L' U L B L' B' L
(BL Slot)



AF2L31

R L' U2 L R'
L' U L U2 R U' R'
F2 R' F2 R
(FR Slot)



AF2L32

R' F U' F' R
r' F U' R U M'
L' U L y' U L U' L'
(BR Slot)



AF2L33

L' U L2 U' L'
(BL Slot)



AF2L34

y' U' F' R' U' R F
U' F U' F' U R U' R'
U L' U2 L y U2 L' U' L
(FR Slot)



AF2L35

U' F U F' U' R' U' R
U2 L F' L' F R' U' R
(BR Slot)



AF2L36

U L' U2 L y' L' U' L
U' L' U' L y' U' L' U' L
U L' U2 L y R' U' R
(BL Slot)

Both Pieces Trapped



AF2L37

R' F R2 U' R2 F' R
R' F R2 U R' F' R U2 R'
F R U' R2 F' R
(FR Slot)



AF2L38

L' U' L U R' U2 R
L' R' U2 R L
(BR Slot)



AF2L39

L' U L U f' L' f
L' U' L U y' L' U L
L' U' L y R' U2 R
(BL Slot)



AF2L40

L' U L U R U R' U R U' R'
F U' R U R' U R U' R' F' R U' R'
(FR Slot)



AF2L41

L' U L y' L U L' U L U' L'
L' U L B L' B L B2
L' U' L U L' U L f R f'
(BR Slot)



AF2L42

L' U L U' L U L' U L U' L'
(BL Slot)



AF2L43

R' F R U' R' F' R2 U R' U R U R'
L' U L U L' U L U2 R U R'
L' U L U R U' R' U' R U R'
(FR Slot)



AF2L44

F U' R U' R' U R' U' R F'
L' U L y' L U' L' U' L U L'
L' U L U L' U L U f R f'
(BR Slot)



AF2L45

L' U L2 U L' U L U L'
L' U L U L' U L2 U L'
(BL Slot)



AF2L46

L' U' L U y' R' U R U' R' U' R
L' U L y' U2 R' U2 R U' R' U R
L' U' L d R' U R U' R' U' R
(FR Slot)



AF2L47

L' U' L R' U R U' R' U' R
L' U L U R' U2 R U' R' U R
(BR Slot)



AF2L48

L' U' L d' R' U R U' R' U' R
L' U L y R' U2 R U' R' U R
L' U L y' L' U2 L U' L' U L
(BL Slot)



AF2L49

L' U' L y' R' U2 R U R' U' R
L' U' L y L' U2 L U L' U' L
L' U L U L' U' L y' R' U2 R
(FR Slot)



AF2L50

L' U L U L' U' L R' U R
F U2 R U' R' f R f' F'
L' U2 L R' U2 R U R' U' R
(BR Slot)



AF2L51

F L U' L' U L U L' F'
L' U L I U' L' U L U I'
L' U' L y U2 R' U2 R U R' U' R
(BL Slot)



AF2L52

F2 R' F2 D' R U' R' D R
L' U' L R U' R' U R U' R' U2 R U' R'
L' U' L R' U2 R2 U R2 U R
(FR Slot)

	AF2L53 F U2 R U2 R2 U' R F' L' U L U2 r U2 R2 U' R2 U' r' (BR Slot)
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	AF2L54 L' U L2 U2 L' U2 L U' L' L' U L2 U2 L' U' L U2 L' L' U' L F' U' L F' L' F L U L' F (BL Slot)
---	--

Back Left

Trapped Corner

	AF2L1 S' L' S L U' L' y L U' L' y' L' U' L U R U' R' (FL Slot)
--	---

	AF2L2 L U' L' U' R U' R' I U' F2 U I' L U' L' R U2 R' (FR Slot)
---	--

	AF2L3 y R' U' R U' R U' R' L U' L' y' U2 L U' L' y R' U' R2 U2 R' (BR Slot)
---	--

	AF2L4 L U L' U2 F U F' B L' B' L U L' U2 L L U L' y U2 L U L' (FL Slot)
---	--



AF2L5

L U L' U R U R'
(FR Slot)



AF2L6

L U L' f R f'
y U2 R' U R U R U R'
L U L' y' L U L'
(BR Slot)



AF2L7

U' f' r' D r S
y' U' L' U L R U' R'
U' f' L' F L S
(FL Slot)



AF2L8

R D' R' U R U D R'
y' U' L' U L y' L U2 L'
y U' R' U R y' R U2 R'
(FR Slot)



AF2L9

U L' B' L B' L' B L
y' U' L' U L U2 L U' L'
(BR Slot)



AF2L10

f' L' f L' U' L
y' L' U' L F' U' F
y R' U' R y R' U' R
(FL Slot)



AF2L11

L' B L B' R U2 R'
y' L' U' L U' R' U' R
y R' U' R U' L' U' L
(FR Slot)



AF2L12

f' L' f U2 R' U' R
y R' U' R y' U2 R' U' R
y' L' U' L y U2 R' U' R
(BR Slot)



AF2L13

U L U L2 U2 L
U L U2 L2 U L
(FL Slot)



AF2L14

y' U L' U L R' U2 R
y U R' U R L' U2 L
U L U L' F' U F
(FR Slot)



AF2L15

U L R' U R L'
U L R' U L' R
(BR Slot)



AF2L16

L U2 L' U L' U' L
U2 L U' L' U2 L' U L
U2 L U' L' U L' U2 L
(FL Slot)



AF2L17

U2 L U' L' y L' U2 L
U2 L U' L' y' R' U2 R
(FR Slot)



AF2L18

U2 L U' L' R' U R
L U2 L' U' R' U' R
(BR Slot)

Trapped Edge



AF2L19

U' L U L2 U' L
(FL Slot)



AF2L20

U' L U' L' R U' R'
y U' R' U' L' U' L R
(FR Slot)



AF2L21

U' L U L' U2 R' U' R
U2 L U' L' R' U' R
(BR Slot)



AF2L22

U r' U L U' x L' U' L
U L U' L' U S' L' S
y' U' L F' L' F U2 R U R'
(FL Slot)



AF2L23

U2 R2 D B2 D' R2
U2 R2 u R2 u' R2
U L U' L' U L U' L' R U2 R'
(FR Slot)



AF2L24

y' U' L F' L' F L U L'
U' R' U' R2 u R u' R'
(BR Slot)



AF2L25

d' L' u' L' u L
U' L U' L' F' L F L'
(FL Slot)



AF2L26

U2 R d' R' U R F'
U2 L F' U' F L'
(FR Slot)



AF2L27

U' L U' L' R2 F R F' R
U' L U' L' U' f R' f'
U' L U' L' d' R U' R'
(BR Slot)



AF2L28

U' L U2 L' F U F'
U L U L' d R U R'
U f' L f L' U2 L
(FL Slot)



AF2L29

U L U L' R U R'
U' L U2 L' U' R U R'
(FR Slot)



AF2L30

U L U L' U' f R f'
U R u R u' R'
(BR Slot)



AF2L31

L U' L2 U L
(FL Slot)



AF2L32

F' L U' L' F
R u R' U R u' R'
L U' L' d' L' U L
(FR Slot)



AF2L33

L U' L' U2 R' U R
R' L U2 L' R
(BR Slot)



AF2L34

U' F' D' L' D F
(FL Slot)



AF2L35

U' L U L' U' F' U' F
U' L U L' y U' L' U' L
U' L U L' y' U' R' U' R
(FR Slot)



AF2L36
U' L U' L' y' L U2 L'
(BR Slot)

Both Pieces Trapped



AF2L37
L U L' y' U' R U' R'
L U' L' d' L U L'
L U L' F U2 F'
(FL Slot)



AF2L38
L U L' U' R U2 R'
R L U2 L' R'
(FR Slot)



AF2L39
L U L' U y R U' R'
L U L' B' R B R'
L U' L' U f R f'
(BR Slot)



AF2L40
L U' L2 U' L U' L' U' L
(FL Slot)



AF2L41
f' L f R U R2 F R F'
L U' L' U' L U' L' d' L' U' L
L U' L' y' R' U R U R' U' R
(FR Slot)



AF2L42

L U' L' U' R' U R U R' U' R
(BR Slot)



AF2L43

L U' L' U L' U' L U' L' U L
(FL Slot)



AF2L44

L U' L' y L' U' L U' L' U L
L U' L' y' R' U' R U' R' U R
L U L' U' L U' L' b' R' b
(FR Slot)



AF2L45

L U' L' U' R' U' R U' R' U R
(BR Slot)



AF2L46

L U L' y U2 L U2 L' U' L U L'
L U' L' U' L U L' U y L U' L'
L U' L' U' L U L' F' L F L'
(FL Slot)



AF2L47

L U' L' U' L U L' R U' R'
L U L' U R U2 R' U' R U R'
y' L' U L U R' U2 R U' R' U R
(FR Slot)

**AF2L48**

L U' L' U' L U L' y' L U2 L'
L U L' y' L U2 L' U' L U L'
L U' L' R' F R U R' U' F' R
(BR Slot)

**AF2L49**

L U' L' y' L U2 L' U L U' L'
L U L' y' U L U' L' U L U L'
(FL Slot)

**AF2L50**

L U' L' U' R U2 R' U R U' R'
L U L' R U' R' U R U R'
(FR Slot)

**AF2L51**

L U' L' y' U2 L U2 L' U L U' L'
L U L' y' U' L U' L' U L U L'
f' L f U2 R' U' R U R' U2 R
(BR Slot)

**AF2L52**

L U' L2 U2 L U2 L' U L
L U' L2 U2 L U L' U2 L
(FL Slot)

**AF2L53**

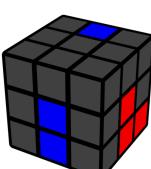
L U L' R U2 R' y' U R' U' R
L U L' R U2 R' U F' U' F
(FR Slot)

**AF2L54**

L U L' R U2 R2 U' R2 U' R'
(BR Slot)

Back Right

Trapped Corner

	AF2L1 $R' U' R U L U' L'$ $L R' U' R L'$ $M' f' E$ (BL Slot)
	AF2L2 $F R' U2 R F'$ $R' U' R F U' F'$ $R' U' R y' R U' R'$ (FL Slot)
	AF2L3 $R' U' R2 U2 R'$ $R' U2 R2 U' R'$ (FR Slot)
	AF2L4 $U2 R' U R U' L U L'$ (BL Slot)
	AF2L5 $U2 R' U R U2 F U F'$ $y R U R' U L U L'$ $U2 R' U R y' U2 R U R'$ (FL Slot)
	AF2L6 $U2 R' U R U R U R'$ $y R U R' F U F'$ $f R f' R U R'$ (FR Slot)



AF2L7

U' R' U R L U' L'
U' R' U' R L U L'
(BL Slot)



AF2L8

U' R' U R U2 F' r U r'
U' R' U' R d' L U L'
U' R' U R d' L U' L'
(FL Slot)



AF2L9

U R' U2 R U' R U R'
U' R' U R U2 R U' R'
(FR Slot)



AF2L10

R' U' R f' L' f
R' U' R y R' U' R
B' R B R' L U' L'
(BL Slot)



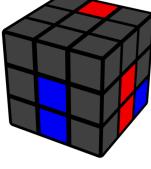
AF2L11

R' U' R U' L' U' L
(FL Slot)



AF2L12

B' R B R' U2 R U' R'
R' U' R U2 F' U' F
R' U' R y U2 L' U' L
(FR Slot)

	<p>AF2L13</p> <p>U R' U R y U2 R' U R U R' U R y U R' U2 R U R' U R y' U2 L' U L (BL Slot)</p>
	<p>AF2L14</p> <p>U R' U R L' U2 L (FL Slot)</p>
	<p>AF2L15</p> <p>U S R S' y U R L' U L R' y' U L R' U R L' (FR Slot)</p>
	<p>AF2L16</p> <p>R B R' B R B' R' I U R' U R U' I' y' U2 L U' L' U2 L' U L (BL Slot)</p>
	<p>AF2L17</p> <p>U L' D L U' L' U' D' L y U2 R U' R' y R' U2 R U2 f R f' U L' U' L (FL Slot)</p>
	<p>AF2L18</p> <p>y U2 R U' R' L' U L y' U2 L U' L' R' U R (FR Slot)</p>

Trapped Edge



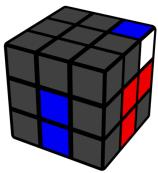
AF2L19

R' U R L U' L' U L U L'
y U' R U R2 U' R
y' U' L U L2 U' L
(BL Slot)



AF2L20

U' R' U' R L' U' L
(FL Slot)



AF2L21

U' R S' U2 S R'
U2 R U2 R2 U' R2 U R'
U' R U R2 U' R2 U R'
(FR Slot)



AF2L22

y U R' F R F' R' U' R
U' I U' R' U x U2 L U L'
U' R B' R2 U R U2 R B R'
(BL Slot)



AF2L23

U2 L2 D' B2 D L2
U2 r2 U' F2 U r2
U2 L2 u' L2 u L2
(FL Slot)



AF2L24

U' R' U R U' S R S'
y U R' F R F' U2 L' U' L
y U R' F R2 U' R' U2 F'
(FR Slot)



AF2L25

U' R' U' R U f' L' f
U' L' u' L' u L
U' R' U' R y U R' U' R
(BL Slot)



AF2L26

U2 f R' f' U L' U' L
U2 f U' R' U f'
U2 F U' R' U R F'
(FL Slot)



AF2L27

U R' U2 R F' U' F
U' R' U' R d' L' U' L
U' f R' f' U' R U' R'
(FR Slot)



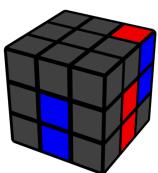
AF2L28

U R' U R U f' L f
U R' U R d L' U L
U R' U R y R' U2 R
(BL Slot)



AF2L29

U R' U R L' U L
(FL Slot)



AF2L30

U F D R D' F'
U R' U R U' F' U F
d R u R u' R'
(FR Slot)



AF2L31

L R' U2 R L'
(BL Slot)



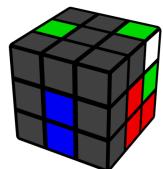
AF2L32

F R' U R F'
R' U R y' U R U' R'
R' U R y U L U' L'
(FL Slot)



AF2L33

R' U R2 U' R'
R' U2 R2 U2 R'
R2 F R2 F'
(FR Slot)



AF2L34

y U' F' R' U' R F
(BL Slot)



AF2L35

U' f R f' U' L' U' L
y U2 L U' F' U F L'
y' U2 L F' U' F L'
(FL Slot)



AF2L36

U R' U2 R y' R' U' R
U R' U2 R y L' U' L
(FR Slot)

Both Pieces Trapped



AF2L37

y R U' R' U' f R f'
R' U R d' R' U' R
R' U' R i U L' U' M'
(BL Slot)



AF2L38

R' U' R U2 L' U L
R' L' U2 L R
(FL Slot)



AF2L39

F' R' U2 R U' F
R' U' R U y L' U L
R' U R d R' U' R
(FR Slot)



AF2L40

R' U R U L U L' U L U' L'
(BL Slot)



AF2L41

R' U R F R' F R F2
R' U R y' R U R' U R U' R'
(FL Slot)



AF2L42

R' U R U' R U R' U R U' R'
(FR Slot)



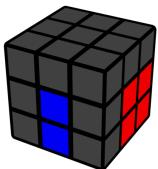
AF2L43

R' U R U L U' L' U' L U L'
(BL Slot)



AF2L44

R' U R U' L' U L d' L U L'
R' U R y L U' L' U' L U L'
R' U R y' R U' R' U' R U R'
(FL Slot)



AF2L45

R' U R U R' U R2 U R'
R' U R2 U R' U R U R'
(FR Slot)



AF2L46

R' U' R y U R' U R U' R' U' R
R' U R y U2 R' U2 R U' R' U R
(BL Slot)



AF2L47

R' U R U L' U2 L U' L' U L
R' U' R L' U L U' L' U' L
y R U2 R' L U2 L' U' L U L'
(FL Slot)



AF2L48

R' U2 R y' R' U R U' R' U' R
R' U R y' R' U2 R U' R' U R
R' U R U' R' U2 L F' R2 U' R2 U F L' R
(FR Slot)



AF2L49

R' U R U R' U' R y R' U2 R
R' U' R y R' U2 R U R' U' R
(BL Slot)

	AF2L50 $R' U' R U' L' U2 L U L' U' L$ $R' U R U R' U' R L' U L$ (FL Slot)
	AF2L51 $R' U' R y' U2 R' U2 R U R' U' R$ $R' U R L F' R' F R F L'$ $R' U' R U d R' U2 R U R' U' R$ (FR Slot)
	AF2L52 $R' U R U2 L U2 L' U2 L U' L'$ (BL Slot)
	AF2L53 $R' U R y' U R U2 R' U2 R U' R'$ $R' U' R L' U2 L y U' L U L'$ $R' U' R L' U2 L U' F U F'$ (FL Slot)
	AF2L54 $R' U R2 U2 R' U R' F R F'$ $R' U R2 U2 R' U2 R U' R'$ $R' U' R U2 R' U2 R2 U R'$ (FR Slot)

Useful Cases

Front Right

Edge in different slot, corner oriented

	UF2L1 $R' F R2 U' R' U2 F'$ (FL Slot)
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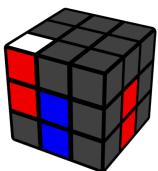
UF2L2

R' F R F' R' U' R
(BR Slot)



UF2L3

F R' U R F'
(FL Slot)



UF2L4

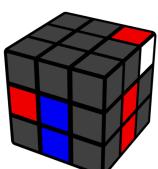
R' F U' F' R
(BR Slot)

Edge in different slot, corner not oriented



UF2L5

R' F U F' R
(FL Slot)



UF2L6

F R' U' R F'
(BR Slot)



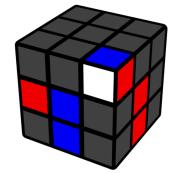
UF2L7

U R' U' R2 U R2' U' R
(BR Slot)



UF2L8

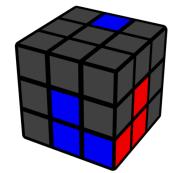
$U' R U R2' U' R2 U R'$
(FR Slot)



UF2L9

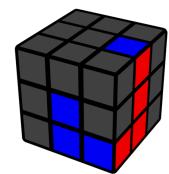
$R' u' R' u R$
(FR Slot)

Edge insertions



UF2L10

$F' R U R' U' R' F R$
(FR Slot)



UF2L11

$R' F' R U R U' R' F$
(FR Slot)

Corner solved, edge in slot



UF2L12

$R2 U' R2' U R2$
(FR Slot)



UF2L13

$R2 U R2 U' R2'$
(BR Slot)

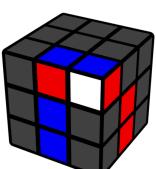
Miscellaneous

	UF2L14 $F R U' R' U' F'$ (FL Slot)
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	UF2L15 $R2 U' R' U R2$ Only if the BR Slot is empty (FR Slot)
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	UF2L16 $R2 U R U' R2'$ Only if the FR Slot is empty (BR Slot)
---	---

	UF2L17 $r U' R' U R U r'$ (FR Slot)
--	--

	UF2L18 $M U r U' r' U' M'$ (FR Slot)
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	UF2L19 $R' U R U' R U R'$ Only if the BR Slot is empty (FR Slot)
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Back Right

	UF2L20 $R U' R' U R' U' R$ Only if the FR Slot is empty (BR Slot)
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Front Left

KeyHole

	<p>UF2L21 D R U' R' D' Only if the FR Slot is empty (FL Slot)</p>
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Referencias

- VisualCube: Generate custom Rubik's cube visualisations from your browser address bar: <https://cube.rider.biz/visualcube.php>
- VisualCube: Cube image in each basic algorithm: <https://cube.rider.biz/visualcube.php?fmt=png&size:=500&stage:=f2l&r=y30x-30z0&bq=t&case:=U>
- VisualCube: Cube image in each advanced algorithm: https://cube.rider.biz/visualcube.php?fmt=png&size:=500&stage:=f2l_2&r=y30x-30z0&bq=t&case:=U
- SpeedCubeDB: F2L Algorithms: <https://speedcubedb.com/a/3x3/F2L>
- SpeedCubeDB: F2L Advanced Algorithms: <https://speedcubedb.com/a/3x3/AdvancedF2L>
- CubeSkills: F2L Useful Cases: <https://www.cubeskills.com/tutorials/useful-f2l-algorithms>
- Eddievak: Rubik's Cube: Pro Fingertricks: <https://www.youtube.com/watch?v=5uqpcifk5ro>
- EddieVak: Example solve, using Keyhole: <https://www.youtube.com/shorts/d7co6HdEbf4>
- Eddievak: F2L Advanced Cases: <https://www.youtube.com/shorts/VgaYZEh3LZE>
- Eddievak: <https://www.youtube.com/shorts/pcWonR6TRsU>
- Eddievak: https://www.youtube.com/shorts/B_qMmK77vuM
- Eddievak: https://www.youtube.com/shorts/NpC1ls_0gKQ
- Eddievak: <https://www.youtube.com/shorts/vBEG0WnALz4>
- Eddievak: <https://www.youtube.com/shorts/qWuaVQY4oVw>
- Eddievak: <https://www.youtube.com/shorts/5fb6GV9CDAA>
- Eddievak: <https://www.youtube.com/shorts/YHASEHHPoOE>
- Eddievak: https://www.youtube.com/shorts/aZPmz5SNE_E
- Eddievak: <https://www.youtube.com/shorts/VAHjYcInUfo>
- Eddievak: <https://www.youtube.com/shorts/tatbSINBAuw>

- Eddievak: <https://www.youtube.com/shorts/pKBFkOTuqrc>
- Eddievak: <https://www.youtube.com/shorts/W0Af7wzzyas>
- Eddievak: <https://www.youtube.com/shorts/3PvyLNVwEf4>
- Eddievak: https://www.youtube.com/shorts/_WOC0ZCxKEs
- Eddievak: https://www.youtube.com/shorts/X_PYfqJNFIc
- Eddievak: https://www.youtube.com/shorts/DF_o8ejApAw
- GitHub: Repositorio con el que se crearon las imagenes y este Documento: <https://github.com/RedCyclone05/F2L>