



The Best F2L Algorithms for Every Case

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Format



Preferred Algorithm

Alternate Algorithms

Each algorithm given, in my opinion, is the best one for each of 41 possible F2L cases.

Case #1



U R U' R
R' F R F'

Note that the second way
can be used for edge control.

Case #2



y U' L' U L
F R' F' R
r U R' U' M

Case #3



y L' U' L or **y' R' U' R** (back right insert)
F' U' F
U M R U' R' U M'

Case #4



R U R'

Case #5



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

Case #6



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

Case #7



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

Case #8



y' U R' U₂ R U₂ R' U R

Case #9



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

Case #10



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

Case #11



$U' R U_2' R' U F' U' F$
 $U' R U_2' R' U y' R' U' R$

Case #12



$R U' R' U R U' R' U_2 R U' R'$
 $R' U_2 R_2 U R_2 U R$

Case #13



$y' U R' U R U' R' U' R$
 $M' U' R U R' U' R U_2 r'$

Case #14



$U' R U' R' U R U' R'$
 $R U' R' U R U_2 R' U_2 R U' R'$

Case #15



$R U R' U_2 R U' R' U R U' R'$
 $R B L U' L' B' R'$

Case #16



$x' R_2 U' R' U R' x R U' R'$
 $U F R U R' U' F' U R U' R'$
 $U M' U R U' r' U' R U R'$

Case #17



$R U_2 R' U' R U R'$

Case #18



$R' F R F' R U' R' U R U' R'$
 $y' R' U_2 R U R' U' R$

Case #19



$U R U_2 R' U R U' R'$
 $U R U_2 R_2 F R F'$

Case #20



$U' R U' R_2' F R F' R U' R'$
 $y' U' R' U_2 R U' R' U R$

Case #21



$R U' R' U_2 R U R'$
 $U_2 R U R_2 F R F'$
 $U_2 R U R' U R U' R'$

Case #22



$y' R' U R U_2 R' U' R$
 $y' U_2 R' U' R U' R' U R$

Case #23



$R U R' U_2 R U R' U' R U R'$
 $U_2 R U R' U' R U' R' U_2 R U' R'$

Case #24



$U' R U R_2' F R F' R U' R'$
 $F U R U' R' F' R U' R'$

Case #25



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

Case #26



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

Case #27



$R U' R' U R U' R'$

Case #28



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

Case #29



$M' U R U' r' U R U' R'$
 $y' R' U' R U R' U' R$

Case #30



$R U R' U' R U R'$

Case #31



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

Case #32



$U R U R' U' R U_2 R' U R U' R'$
 $R U R' U' R U R' U' R U R'$

Case #33



$U' R U' R' U_2 R U' R'$

Case #34



$U R U R' U_2 R U R'$
 $U' R U_2' R' U R U R'$

Case #35



$U' R U R' U y' R' U' R$
 $U M' U R U' r' R U' R'$

Case #36



$U_2 R' F R F' U_2 R U R'$
 $U F' U' F U' R U R'$

Case #37



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

Case #38



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

Case #39



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

Case #40



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

Case #41



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