

Useful F2L cases

That I have come across



- $(F U R U' R' F') (R U' R')$
- (LL L at left back alg, then insert)
- Viable alternative (more intuitive so mirror works better for FL slot, also slightly shorter)
- $(U) (F' L U L' F) (R U R')$
- $(R U' R' U) r U' R' U R U r'$
- 2 gen alg (doesn't use F)



- $U2 R2 U2 (R' U' R U') R2$
- (Main one I use, quick because its 2-gen)
- Viable alternative:
- $(U) (F R' F' R) U (R U R')$
- Hedgeslammer then insert



- $(U) R (F R U R' U' F') R'$
- R, Last Layer Line alg, close slot



- $R U (F R U R' U' F') R'$
- (Eject pair leaving slot open, translates into previous case)



- $U (R' F R F') U (R U R')$
- (U, Sledgehammer, Insert)

- $R U R' U^2 R U' R' U R U' R'$
- 2-gen alternative,  $R U R' U^2$  translates to a standard case



- $R (F U R U' R' F') U' R'$
- (R, Last Layer Line alg, insert and close)



- $F' L' U^2 L F$
- How short is that?
- The mirror works great in the front left slot too.



- $R' U^2 R^2 U R^2 U R$
- Split them up ignoring BR pair, then reinsert pair at the end



- $(R' F R F') R' U^2 R^2 U R^2 U R$
- Eject the pair to the front and proceed as in above case



- $y' (R' U^2 R) U (R' U' R)$
- Ok, that's how I solve it, short, intuitive and fairly quick (does contain a rotation though), but there is also:

- $(R U R' U') (R U R' U') F R' F' R$
- I include this for novelty value.



- $U' (R U^2 R') d (R' U' R)$
- There really isn't anything better than this fairly intuitive solution, but maybe you haven't considered the  $d$



- $(R U R' U') (R U R' U') (R U R')$
- You already know this but there are also:
- $U^2 R d' R U R' d R'$
- $U R d' R U^2 R' d R'$
- $R^2 U R^2 U R^2 U^2 R^2$
- Which you may like. I enjoy the last one, but in practice use the  $RUR'U'$  one



- $(R U R' U')(R U R')$
- much faster than the intuitive solution, its like an abbreviated version of the  $(RUR'U') \times 3$  alg



- $y' (R' U' R U)(R' U' R)$
- Very similar to above, 2-gen, fast
- $U^2 (R U' R') y' (R' U' R)$
- Also good for similar reasons
- $(R' F R F')(R' F R F')$
- No rotation, but there is a regrip, nonetheless this is my favourite. SledgeSledge! Done.



- $R U^2 R U R' U R U^2 R^2$
- Well its three moves shorter than the intuitive solution, its 2-gen, involves no rotations, should be as fast as you like, but it doesn't make sense to my brain since it bares no relation to anything intuitive at all. I have not yet learned it.



- $R^2 U^2 R' U' R U' R' U^2 R'$
- And this one