Ok, I fixed the Wikipedia page on proof by contradiction. Please defend it when the Wikipedia administrators notice that I violated 27 policies and failed to quote random web pages, even though I literally won an award for writing about this stuff.

en.wikipedia.org/wiki/Proof_by_   …

John Carlos Baez @johncarlosbaez · 23h
Replying to @TheBlueWizard9 @andrejbauer and 2 others
You - or @andrejbauer - could start by fixing Wikipedia, which calls the proof of the irrationality of sqrt(2) a "classic proof by contradiction".

People are more likely to read that than a new article on proof by negation.

en.wikipedia.org/wiki/Proof_by_   …

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💬   ⇄   ♡   ⬆️

EngineeringUKJobs @foodtwittest · 14h
Replying to @andrejbauer
Since you are an authority you can just quote your writing, makes it easier to defend, and actually it is useful for the wikipedia page readers to know where that info is coming from incase they need to cite or read more about it.

💬 1   ⇄   ♡   ⬆️

Andrej Bauer @andrejbauer · 14h
Replying to @foodtwittest
I quoted myself, but I think more references will be asked for. If people listening here can provide them, that would be great. In particular, I couldn't immediately find a good reference for the non-constructive proof of Nullstellensatz originally given by Hilbert.

💬 1   ⇄   ♡ 1   ⬆️

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Xavier Xarles @bruixox · 14h
Replying to @andrejbauer
Nice edit, thanks!

💬   ⇄   ♡   ⬆️

Burak Kaya @burakkayaburak · 13h
Replying to @andrejbauer
Thank you. There are still some errors that had been present before your edit, which hopefully will be fixed later. Namely, Euclid's proof of infinitude of primes is not a proof by contradiction (or a proof of negation). Euclid never assumes the opposite: mathcs.clarku.edu/~djoyce/elemen   …

💬 2   ⇄   ♡ 1   ⬆️

Andrej Bauer @andrejbauer · 13h
Replying to @burakkayaburak
Thanks. I will fix that. What would be some classic examples of proof by contradiction?

💬 1   ⇄   ♡   ⬆️

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Ed Nutting @EdNutting · 11h
Replying to @andrejbauer
It's so much better now! Thank you!
Not just more accurate but also clearer.

💬   ⇄   ♡   ⬆️

David Feuer @DavidFeuer · 10h
Replying to @andrejbauer
I don't understand why you bring up the law of non-contradiction so early and so forcefully. Perhaps that should be explained? Is non-contradiction the only fundamental intuitionistic way to establish falsehood?

💬 1   ⇄   ♡   ⬆️

Andrej Bauer @andrejbauer · 5h
Replying to @DavidFeuer
What are you talking about?

💬 1   ⇄   ♡   ⬆️

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David Feuer @DavidFeuer · 10h
Replying to @andrejbauer
Would it make sense to add some examples of contexts in which LEM/PBC is intuitionistically valid? I imagine that comes up a lot with natural numbers and other recursive things.

💬 1   ⇄   ♡ 1   ⬆️

Andrej Bauer @andrejbauer · 4h
Replying to @DavidFeuer
Good idea, I added some text about it.

💬   ⇄   ♡ 2   ⬆️

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