

Notes 2019-09-11

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Pitfall of proof in the wrong direction.

0.1 ex. $\forall x \geq y \geq 0 : \sqrt{x-y} \geq \sqrt{x} - \sqrt{y}$

$$\Leftrightarrow x - y \geq (\sqrt{x} - \sqrt{y})^2 = x - 2\sqrt{x}\sqrt{y} + y$$