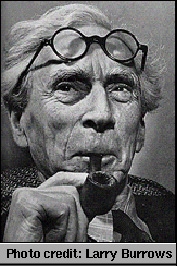
Valuable References



Consequences of 1 = -1:

*½ = -½ (dividing each side by 2)*

*2 = 1 (add 3/2 to each side)*

*Since I and the Pope are clearly 2 people then the Pope and I are one person (since 2 = 1).*

*Then I am the Pope, since we are the same person.*

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[Bertrand Russell’s Ten Commandments](http://www.math.luc.edu/~ajs/courses/fall2019/201/tenCommand.pdf)

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**Videos**

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[Banach-Tarski paradox, and more](https://www.youtube.com/watch?v=s86-Z-CbaHA)

[10 “mind twisting” paradoxes](https://www.youtube.com/watch?v=3x1q5_lYMRA)

[Yesterday’s coffee today](https://www.youtube.com/watch?v=JgMiS81jFyE)

[Great Internet Mersenne Prime Search](http://www.mersenne.org/)

# [Kahn academy set of several short elementary videos introducing permutations](https://www.khanacademy.org/math/precalculus/prob_comb/combinatorics_precalc/v/factorial-and-counting-seat-arrangements.)

# [Kahn academy set of several short elementary videos introducing combinations](https://www.khanacademy.org/math/precalculus/prob_comb/combinations/v/introduction-to-combinations)

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# [MIT OpenCourseWare, 6.041](http://ocw.mit.edu/courses/electrical-engineering-and-computer-science/6-041-probabilistic-systems-analysis-and-applied-probability-fall-2010/video-lectures/), Probabilistic Systems Analysis and Applied Probability, Lecture 4, Counting, John Tsitsiklis

**Films**

[The Man Who Knew Infinity](https://en.wikipedia.org/wiki/The_Man_Who_Knew_Infinity_(film))

