

# Hang The D.J.

*Better Dating Through Algorithms*

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## Infinity, Probability, Time

- [Infinite Monkey Theorem](#)
  - [Anthropic Principle](#)
  - [Natural Selection](#)
  - [Evolutionary Algorithms](#)
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[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]	[I]	[J]

- Given **1000 Sims Per Account** and **10 Accounts**
- Total Simulations = **10,000 Per User Query**
- $O(N^2)$  ([Exponential Time Complexity](#))
  - **1,000,000 Accounts** → 1,000,000,000 Sims Per Query
  - 1,000,000,000,000,000 (1 Quadrillion) Total

*\*Population of USA in 2016 was **323 million**.*

*\*In 2014 the “**Tinder**” App had **50 million** users worldwide.*