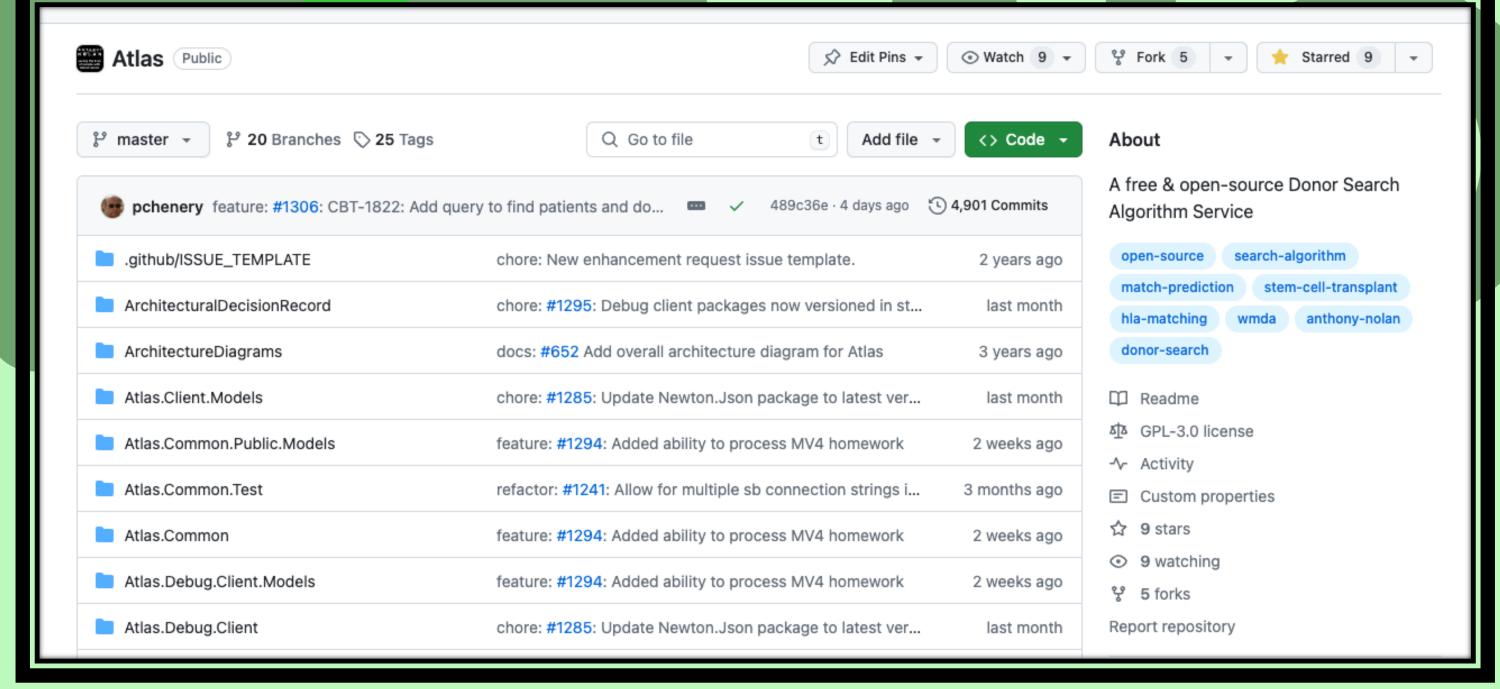


Your immune system can identify you, and you're unique!

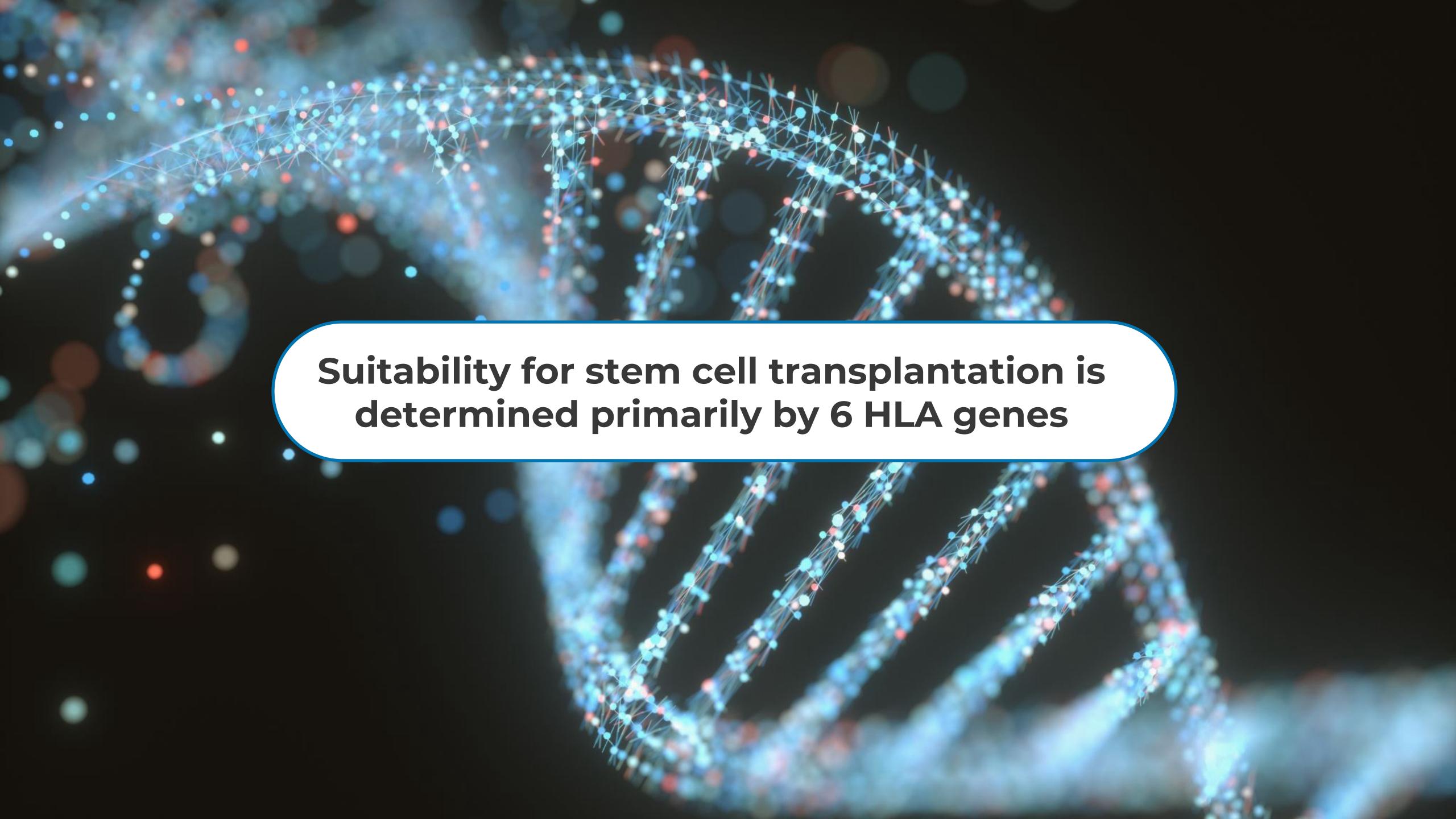


# CO ANTHONY



#### Languages

- C# 95.1%
  HCL 2.5%
- Gherkin 1.8%
  JavaScript 0.4%
- TSQL 0.2%
  PowerShell 0.0%



## We may only know that a donor has one of 500 different options for each gene

No Ambiguity

A\*01:01

**Some Ambiguity** 

A\*01:AB

A\*01:01

OR

A\*01:02

**Large Ambiguity** 

A\*01:XX

A\*01:01

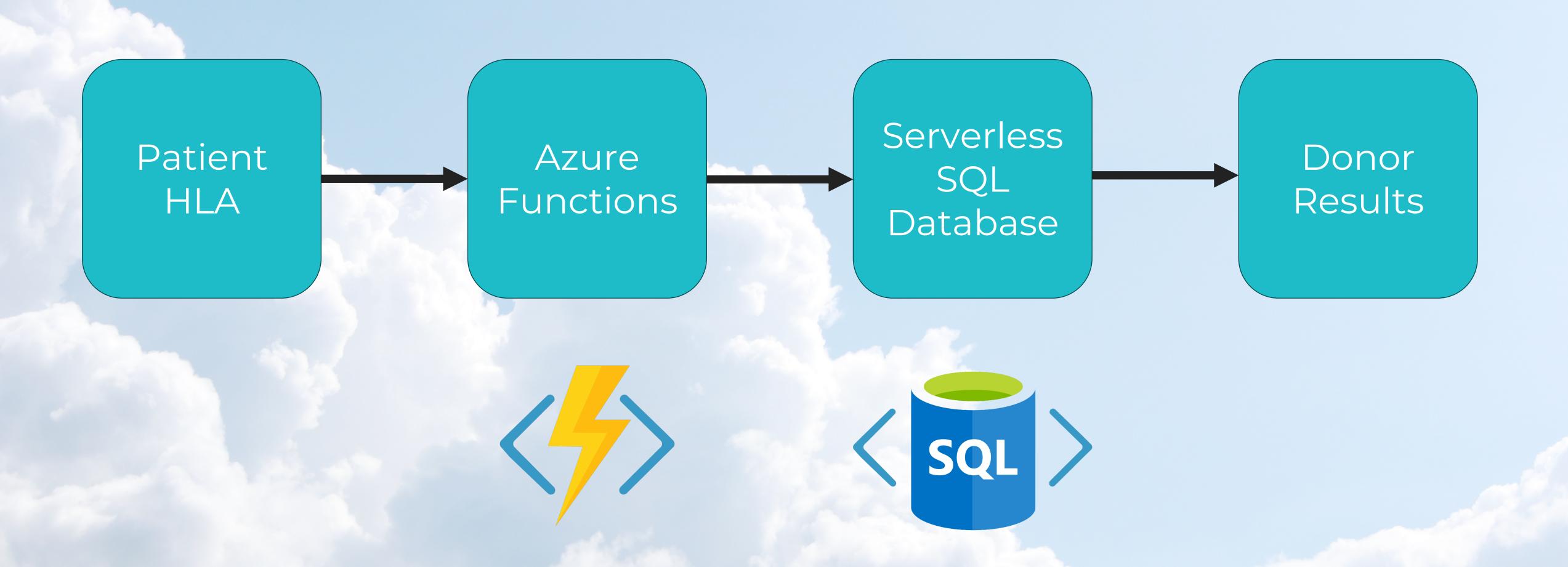
OR

A\*01:02

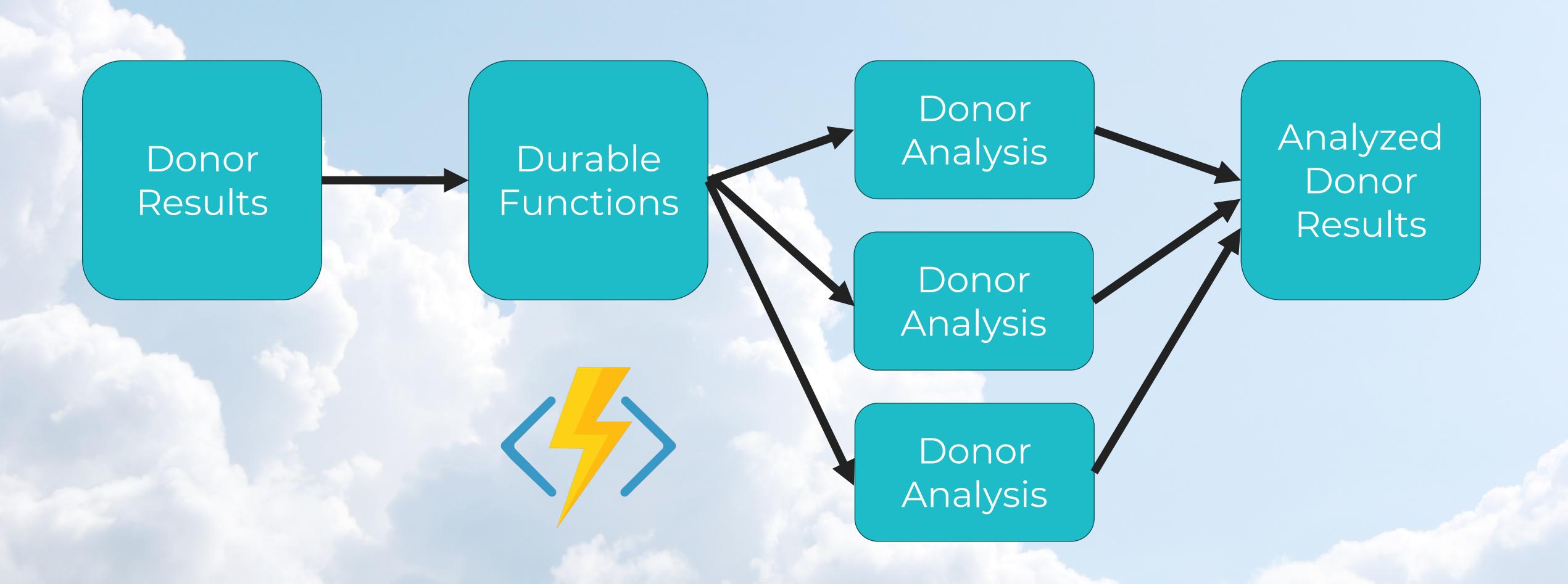
OR 453 MORE...



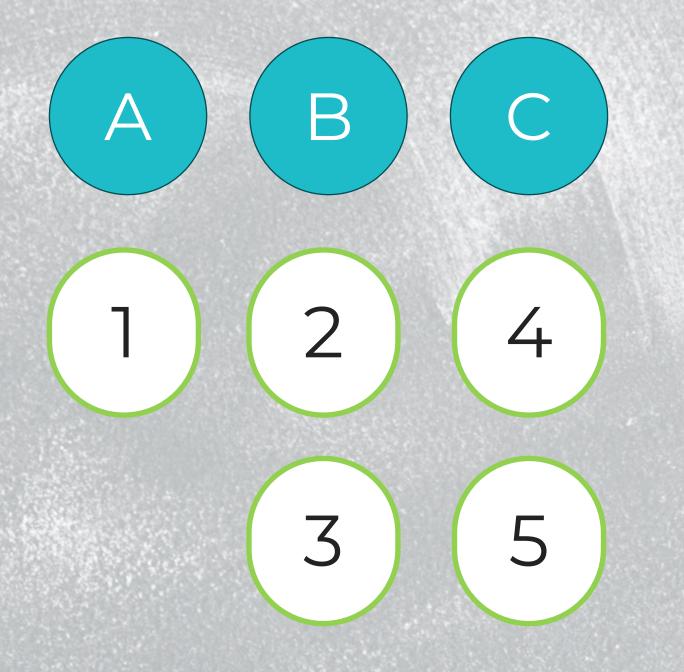
#### **Matching Algorithm**

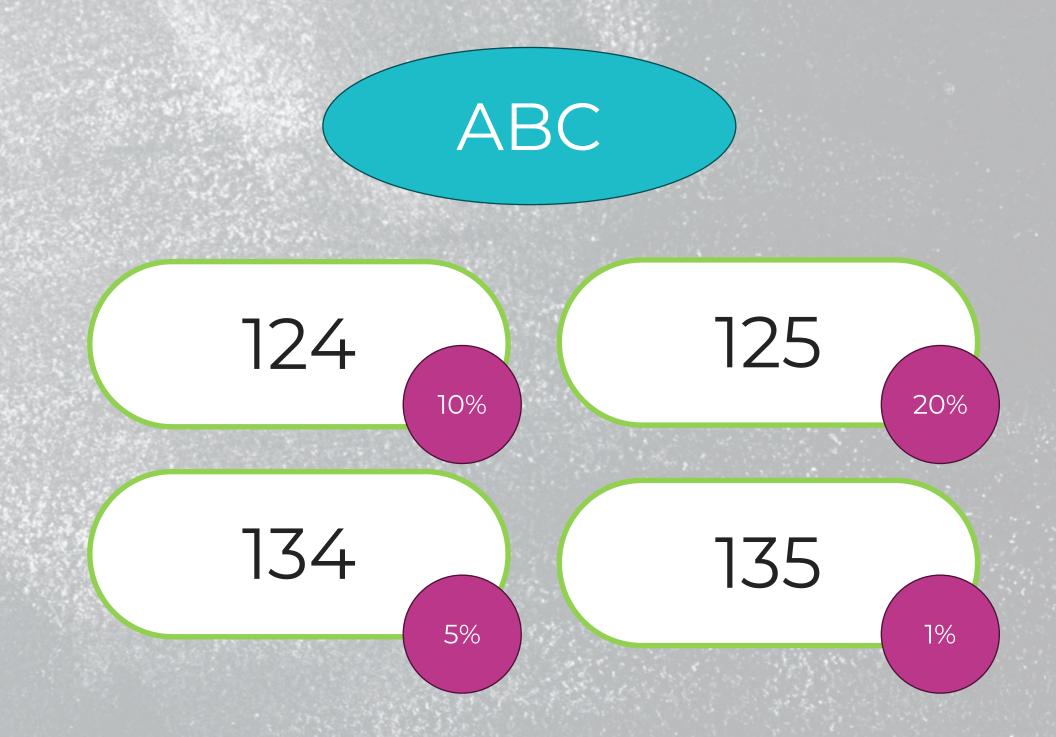


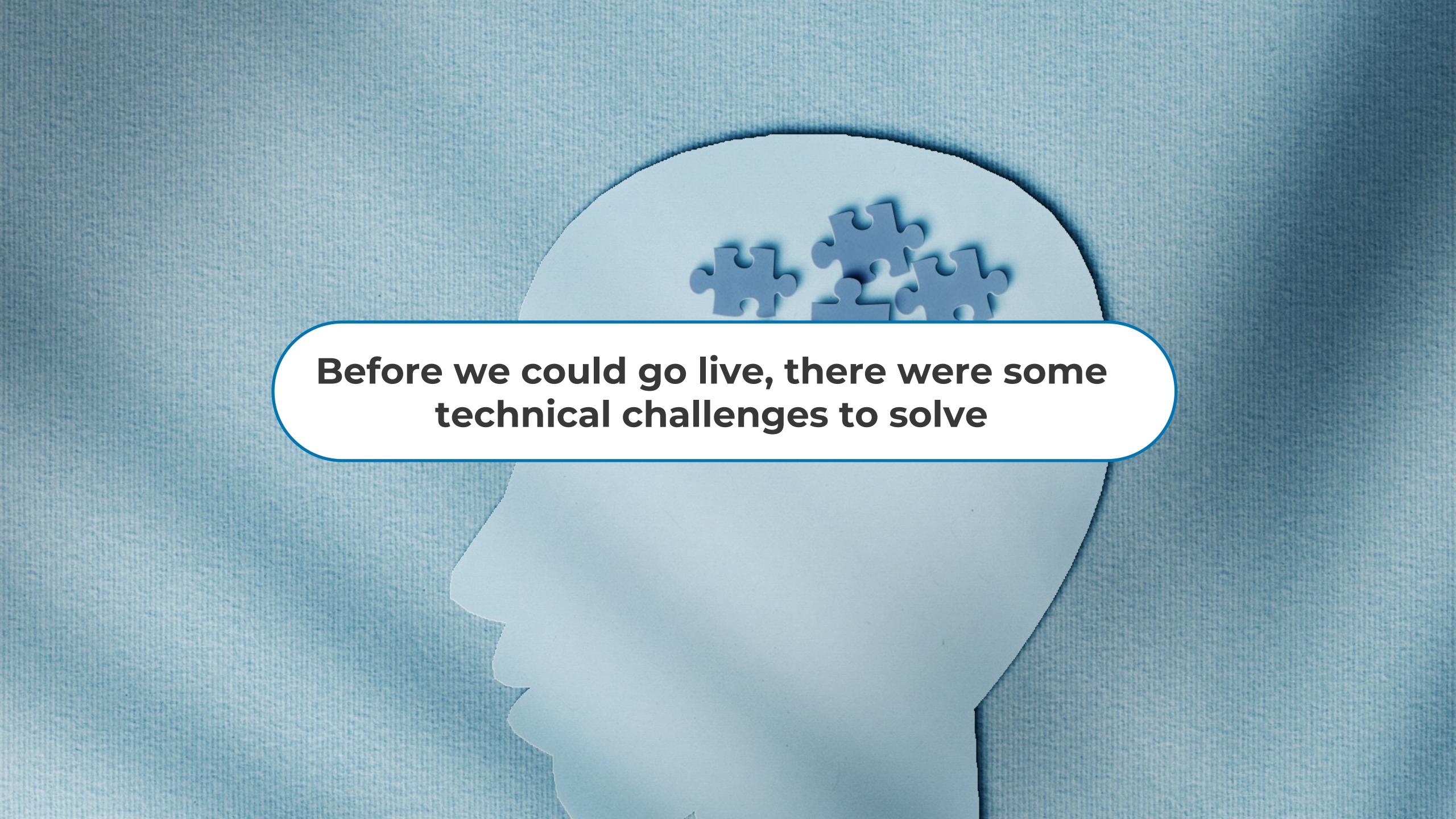
#### **Match Prediction Algorithm**

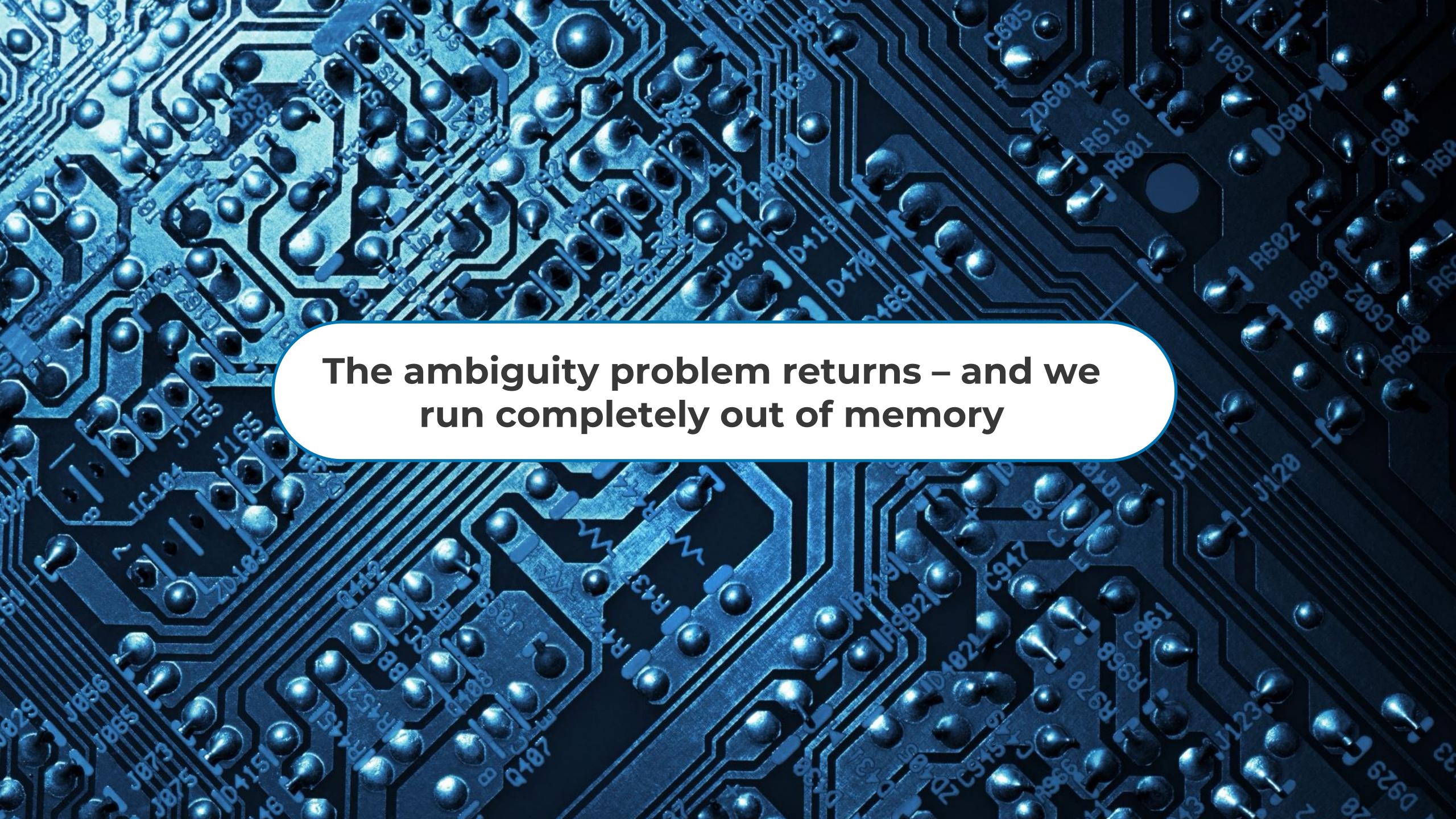


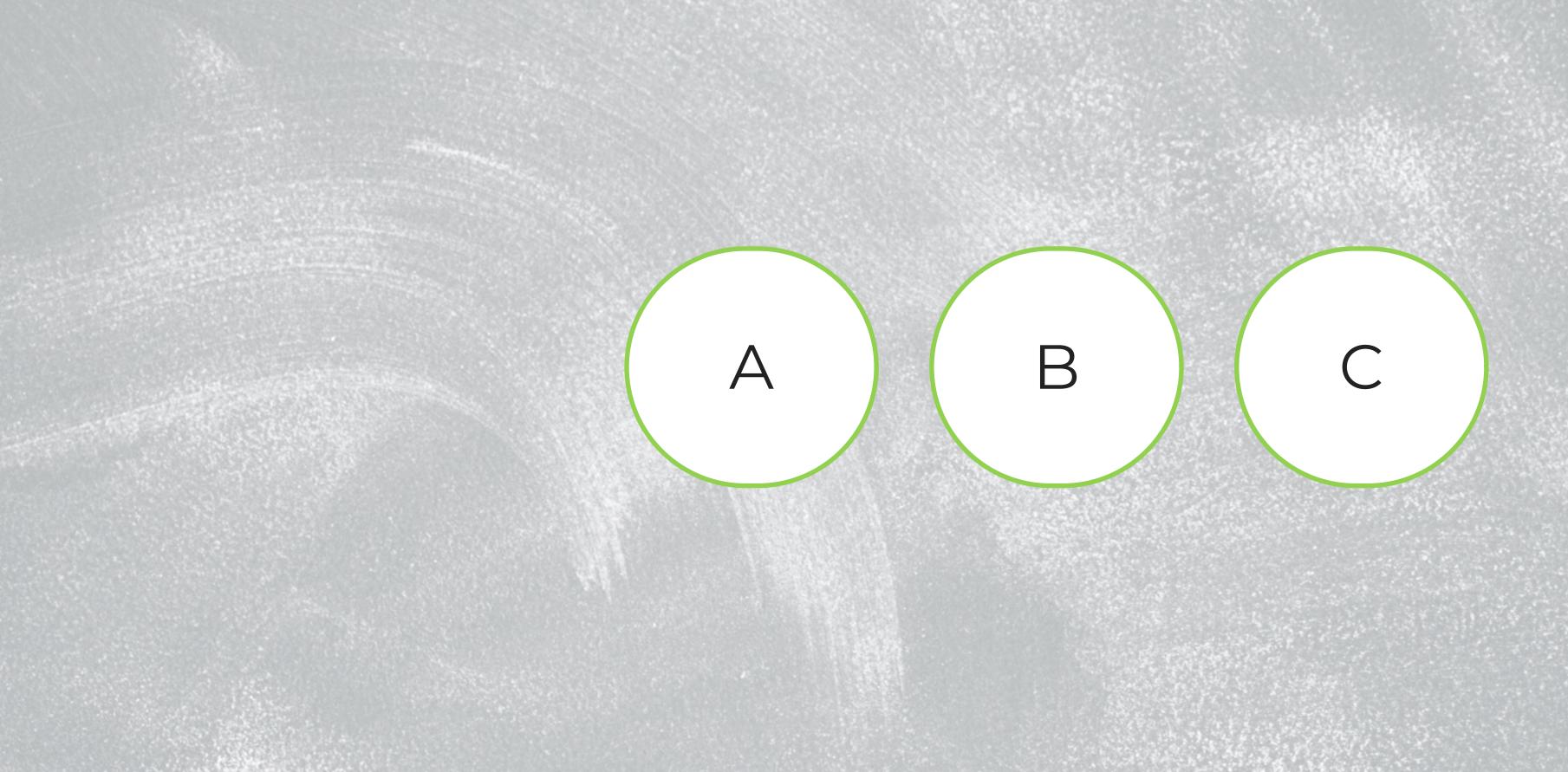
#### **Donor Analysis**













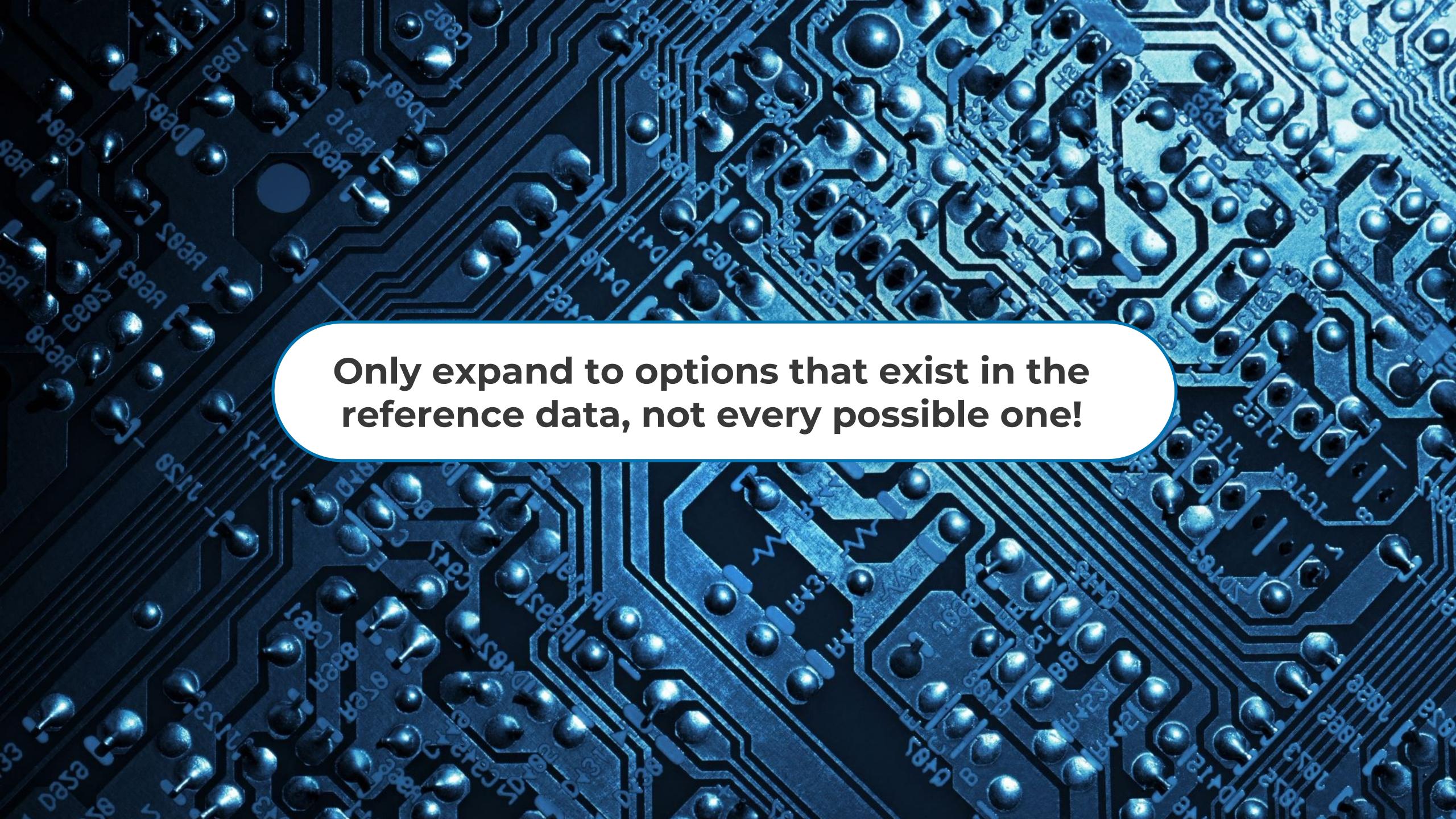
Gigabyte = 109

Terabyte = 10<sup>12</sup>

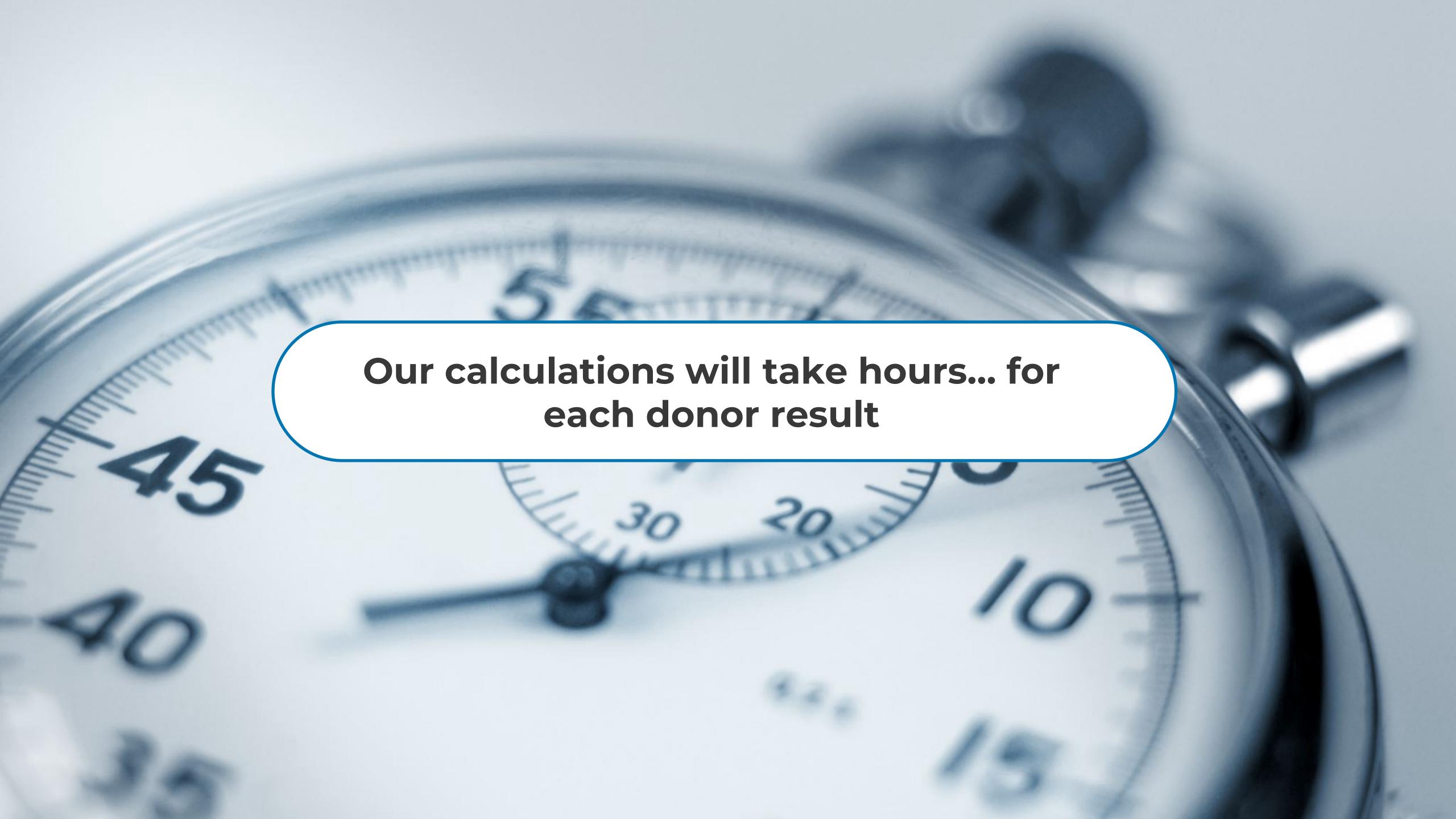
Zettabyte = 10<sup>21</sup>

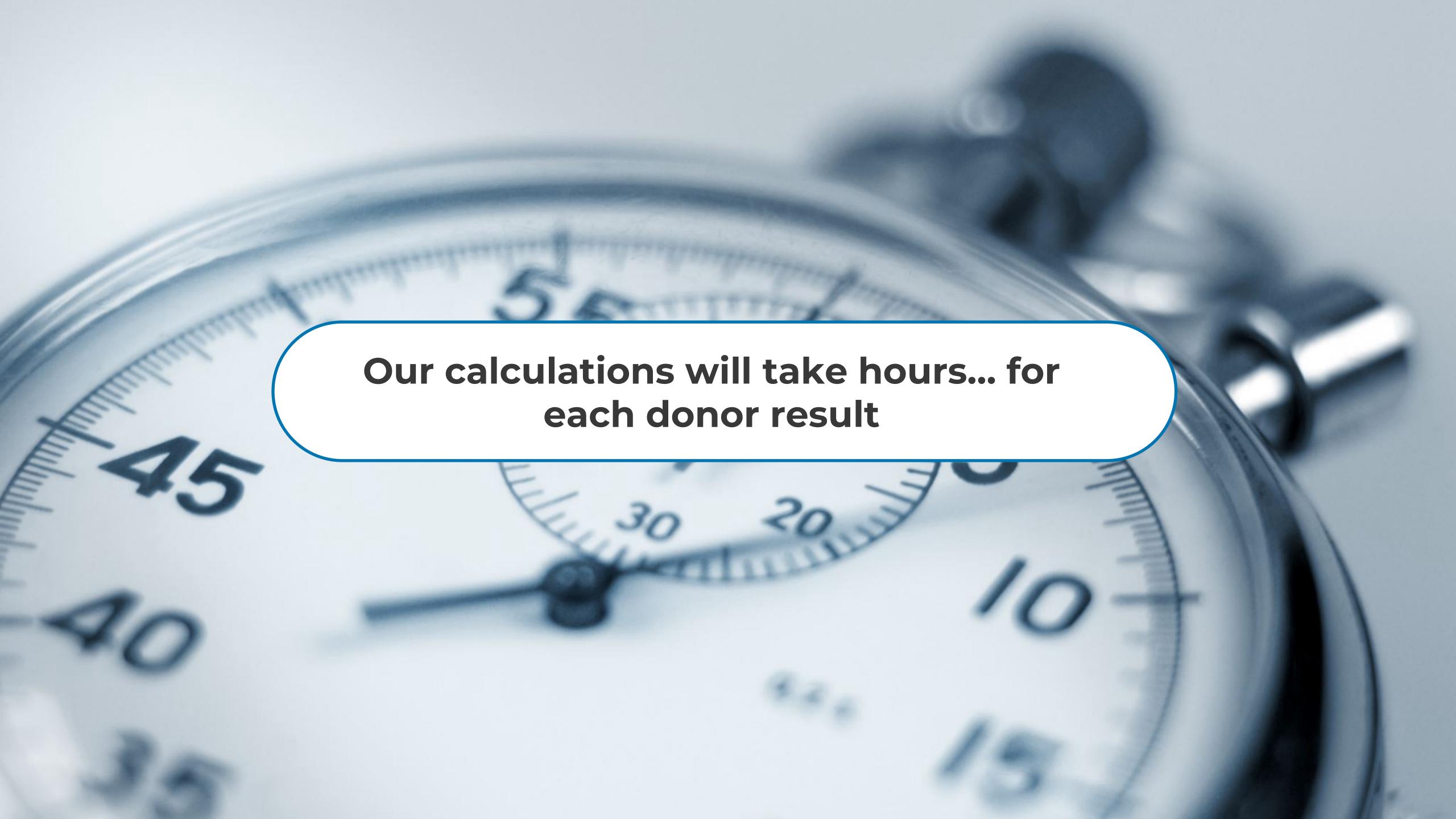
Yottabyte = 10<sup>24</sup>

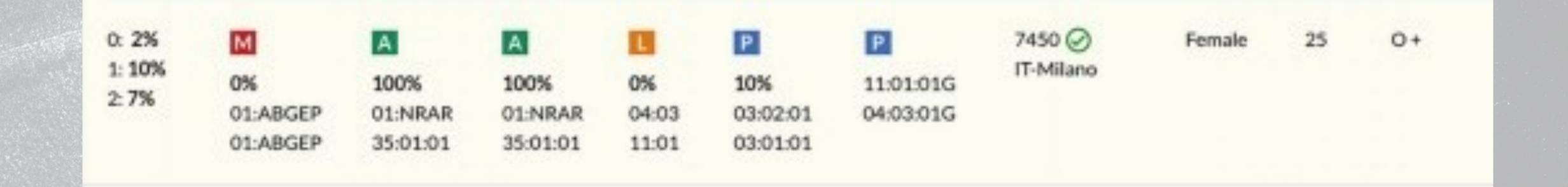




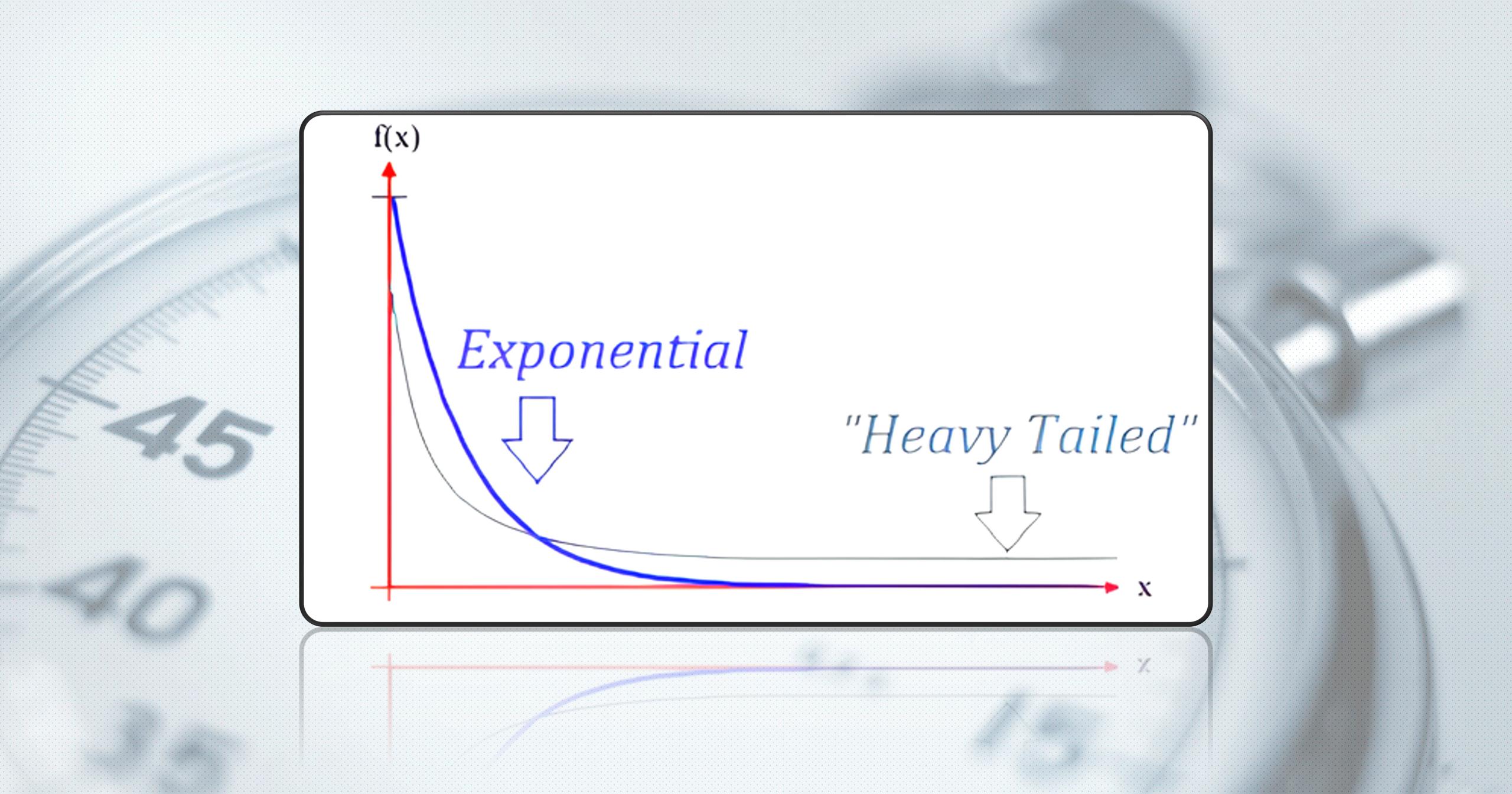


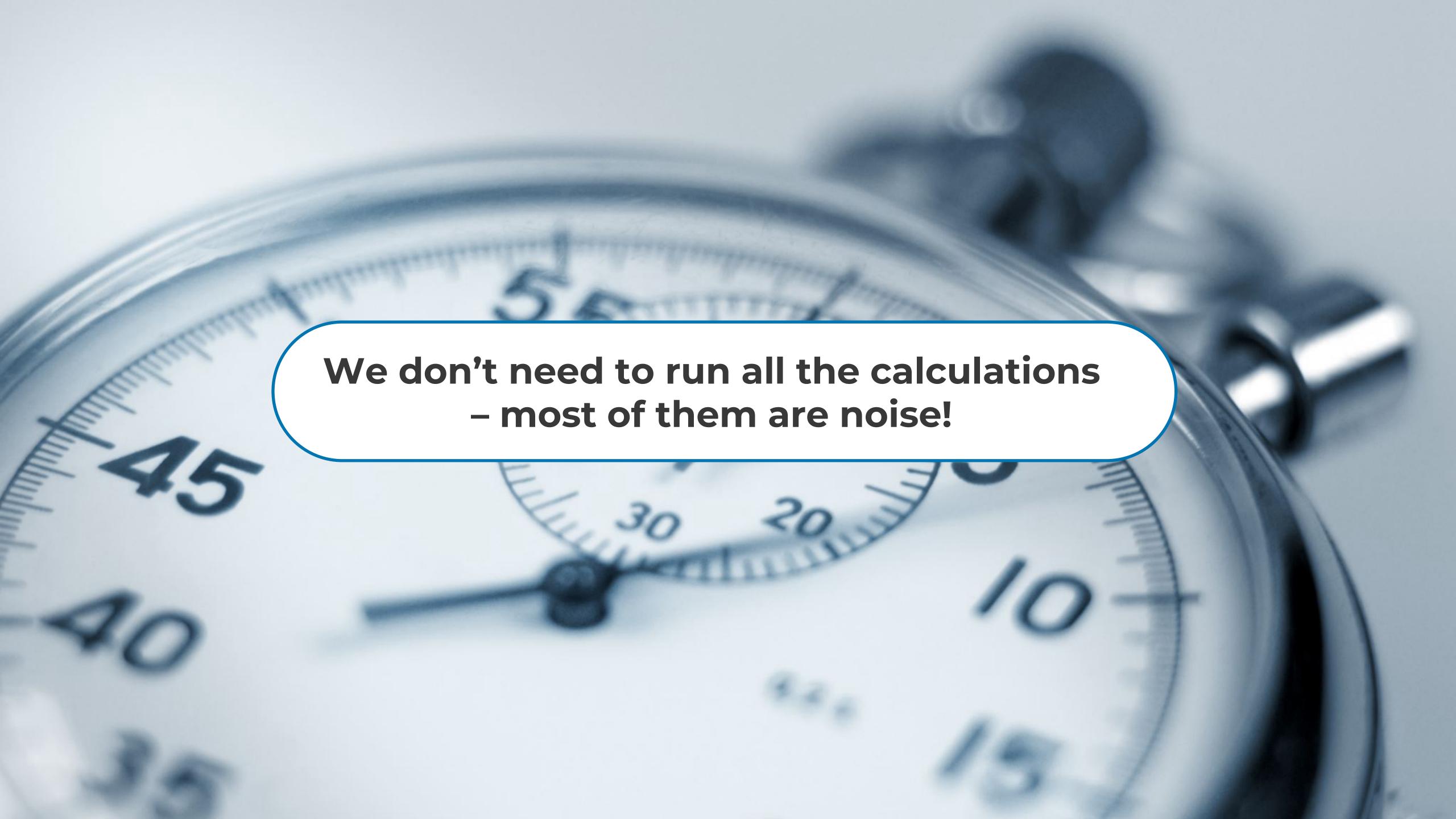


















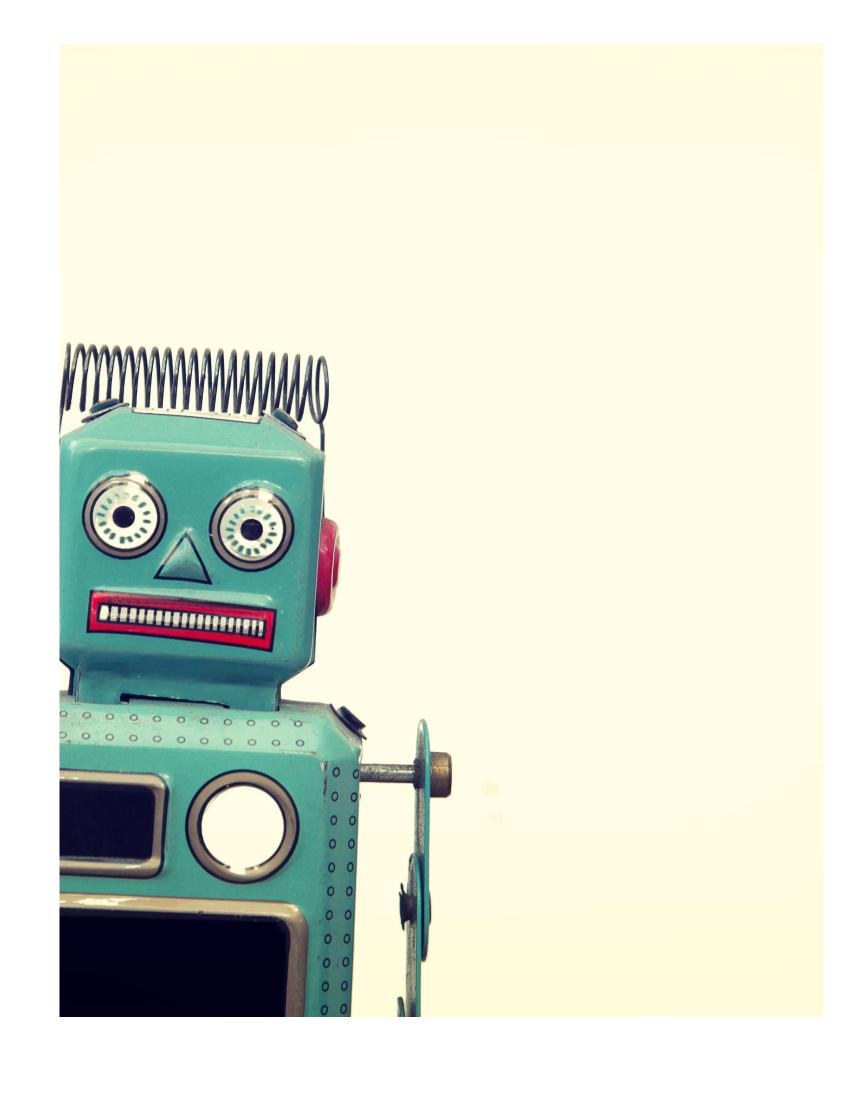




Flip the problem around

Be prepared to trade precision for speed





Flip the problem around

- Be prepared to trade precision for speed
- The solution often isn't a technical one















<sup>2</sup> Ask the right questions





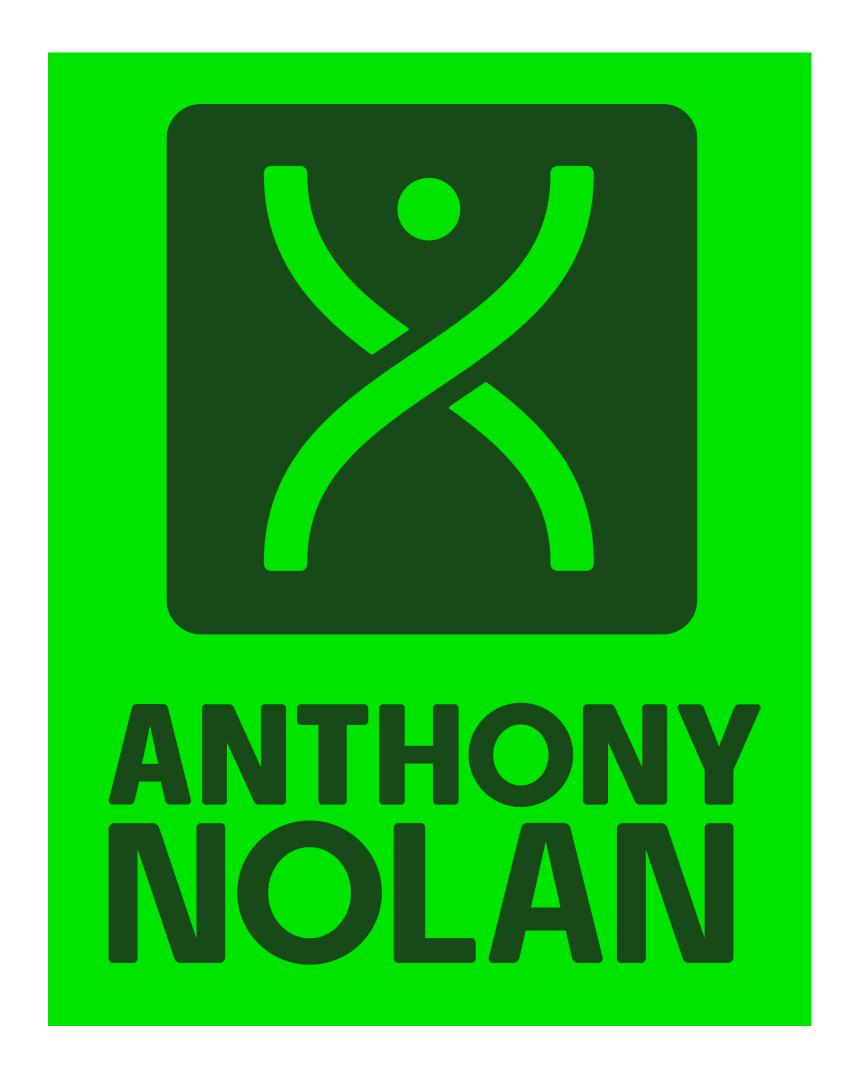


Understand your domain

<sup>2</sup> Ask the right questions

Seek out and challenge NFRs





Understand your domain

2 Ask the right questions

Seek out and challenge NFRs

Join the register!



#### Ben Below

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LinkedIn: www.linkedin.com/in/ben-below/













### Thank you