## Techniques for Optimisation

#### 3. Reducing algorithmic complexity

Identify hotspots from profilers

Rework algorithms to reduce complexity

Big O notation

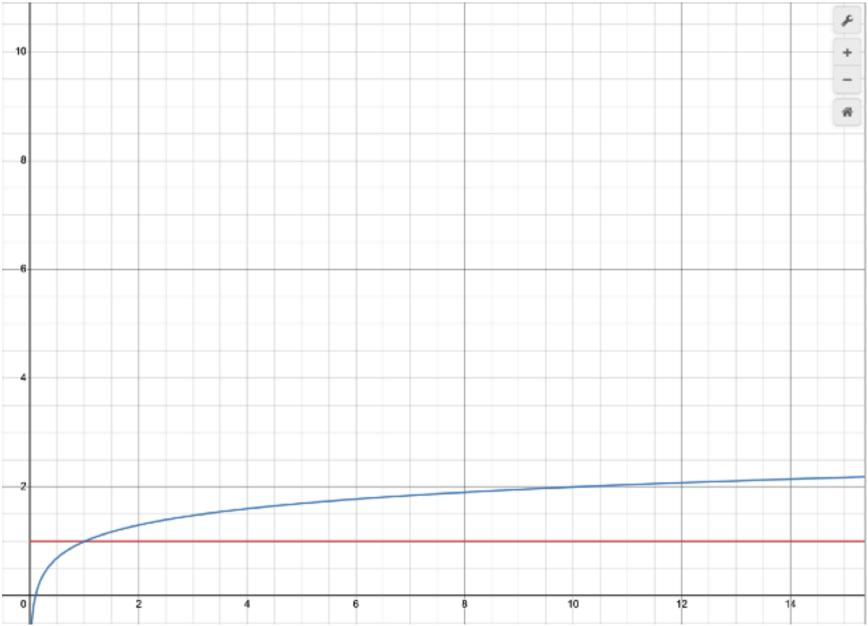
O(1), O(log n), O(n), O(n²) etc.

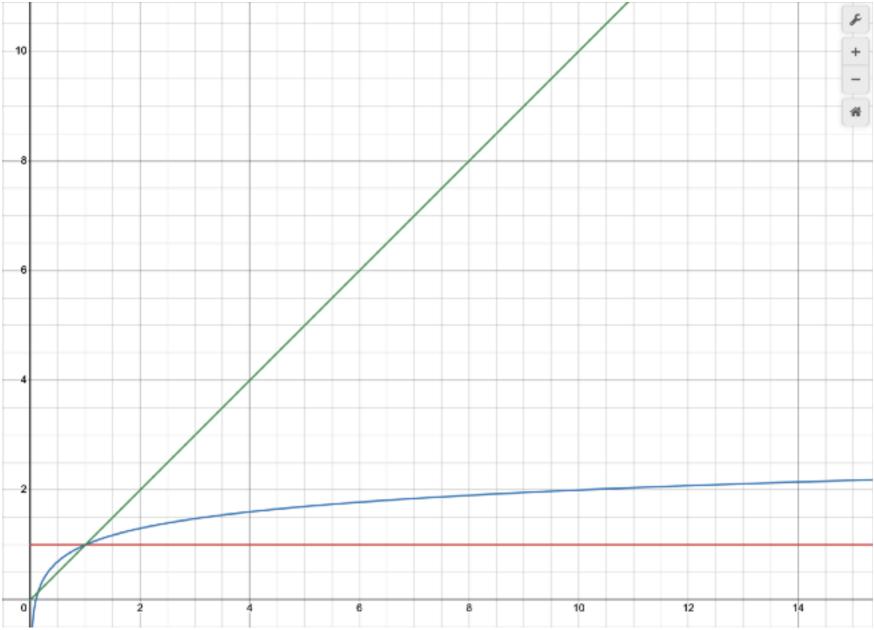
Ensure your algorithm works the same way

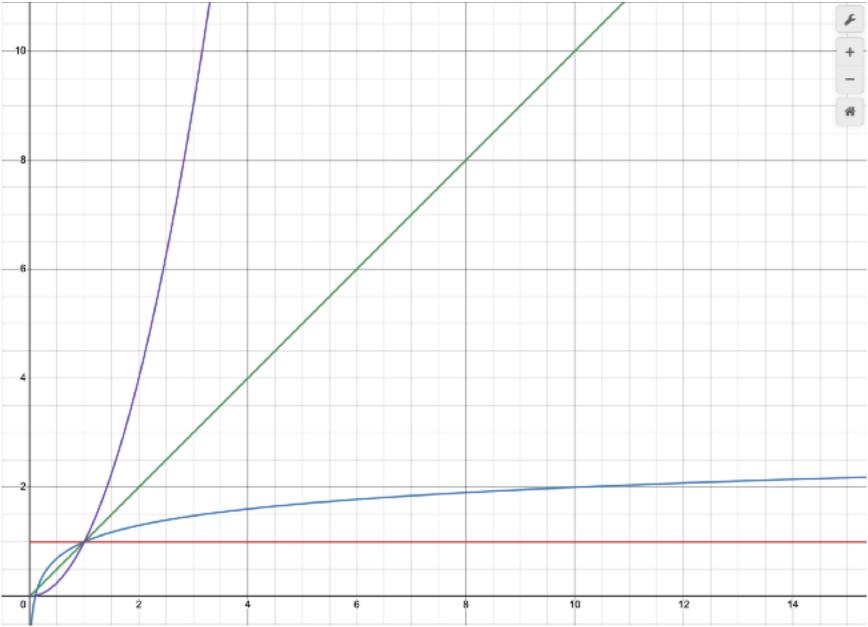
Including contracts!

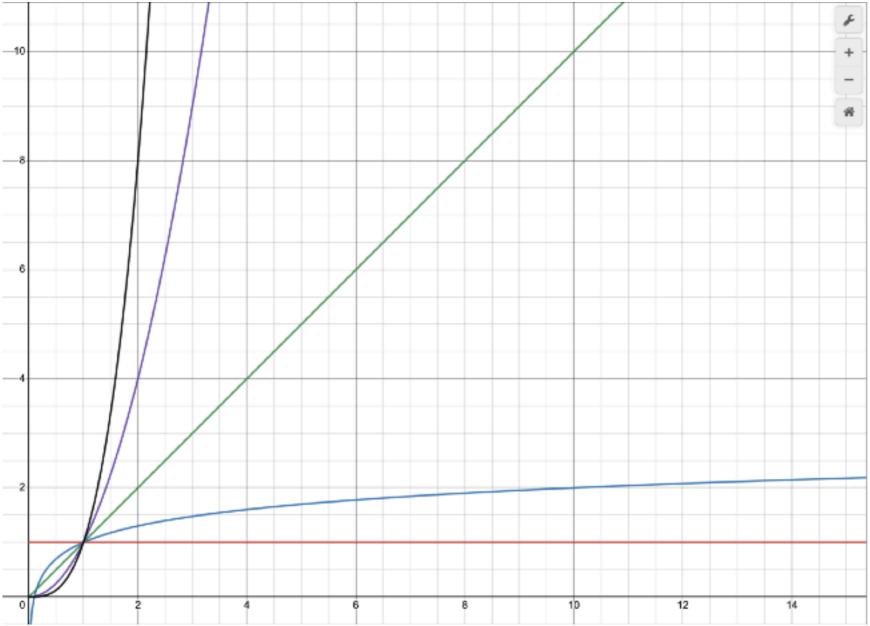
Testing saves you!







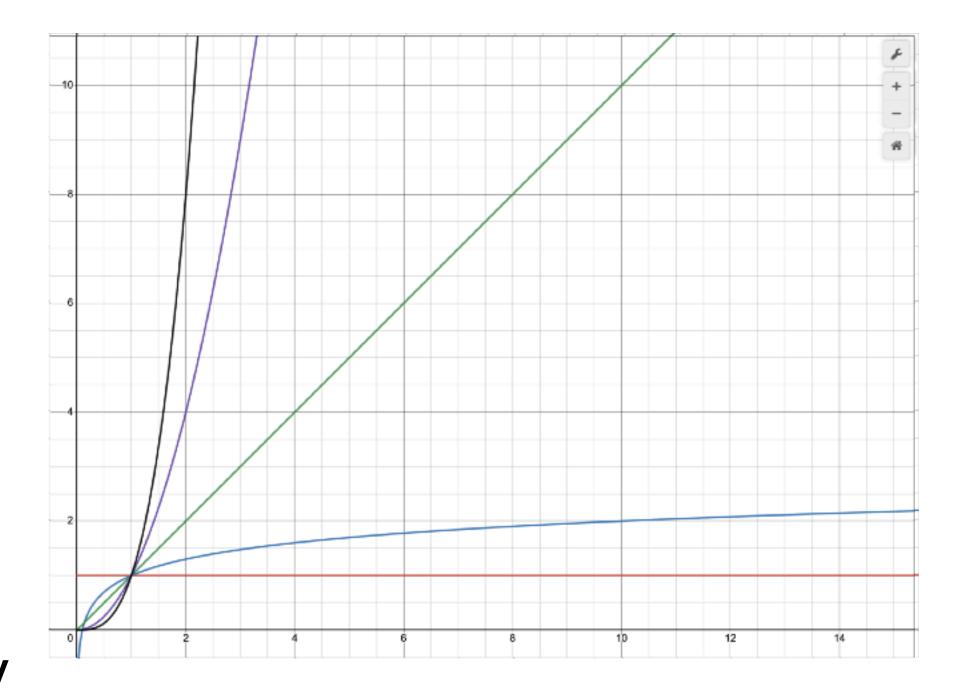




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- Big O notation
  - O(1), O(log n), O(n), O(n²) etc.
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  - Including contracts!
  - Testing saves you!



# Example: Edit::createNewItemID