

# Balancing Act: Achieving Time and Memory Efficiency in SVP

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## Approach

This task seemed quite daunting at first, however I very quickly became fully immersed in this challenge. My approach stemmed entirely from my initial research into the most common methods of solving SVP. The three main approaches

- **Enumeration**
- **Sieving**
- **Voronoi**

## Chosen Algorithm

While all of the above methods are valid ways of solving SVP they each had their own caveats.

- Enumeration is

Focus of exactness

All different combos

## Accuracy

Double vs Long Double

## Time & Memory

Memoisation

Delta

## Overall Success

## Bibliography