## Simple

Find the biggest positive integer n that satisfies:

$$n^3 - n^2 + 100n < 10000$$

## Advanced

Build all the 3-tuple (i, j, k) that satisfy:

- *i*, *j*, *k* positive integers, smaller than 100
- $i + j > k^2$
- $i^2 < 200$

In [ ]: