

# Spicy Question #28



Sequence A and Sequence B begin with the same first two terms.

Sequence A:  $x^2, 5y$

Sequence B:  $x^2, 5y$

The rules for continuing each sequence are however different.

Sequence A: Each term is the sum of the previous 2 terms.

Sequence B: Each term is the product of the previous 2 terms.

The fifth term of sequence A is 227

The third term of sequence B is 1040



**NO Calculator**

Given that  $x$  and  $y$  are both non-negative integers, find the values of  $x$  and  $y$ .

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Video  
Solution



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