

**Research**  
Carolin Zöbelein

RESEARCH NOTES

## Primes (part 04): Playing around

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Version: v01  
May 21, 2019

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## Abstract

Some playing around with different ways of intersection solutions.

## Content

- I. Page 1 - 6: Extending from  $x$  to  $(2xy + x + y)$  as part of  $k$  solution
- II. Page 7 - 10: Checking for possible additional terms and factors of this extension
- III. Page 11 - 17: Looking at common and not common factor(s) case of original  $n(2x + 1)$  equation odd numbers  $(2x + 1)$