$a_n = (((\text{reverse}(\max(\text{reverse}((a_{n-2} + a_{n-1})), a_{n-1}, a_{n-2})) + 1) + 1) + (((\text{reverse}(a_{n-3}) - \text{num_digits}(a_{n-2})) + 1) + 1) + 1) + (((\text{reverse}(a_{n-3}) - \text{num_digits}(a_{n-2})) + 1) + 1) + 1) + ((\text{reverse}(a_{n-3}) - \text{num_digits}(a_{n-2})) + 1) + ((\text{reverse}(a_{n-3}) - \text{num_digits}(a_{n-2})) + 1) + ((\text{reverse}(a_{n-3}) - \text{num_digits}(a_{n-2})) + ((\text{reverse}(a_{n-2}) - \text{num_digits}(a_{n-2})) + ((\text{reverse}(a_{n-2}) - \text{num_digits}(a_{n-2})) + ((\text{reverse}(a_{n-2}) - \text{num_digits}(a_{n-2})) + ((\text{reverse}(a_{n-2}) - \text{num_digits}(a_{n-2}))) + ((\text{reverse}(a_{n-2}) - \text{num_digits}(a_{n-2})) + ((\text{r$