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