$a_n = (\text{reverse}(\text{num\_digits}(\text{max}(\text{max}(\text{num\_digits}((\text{max}(a_{n-3}, a_{n-3}, a_{n-1}) + a_{n-3})), (a_{n-2} + a_{n-2}), a_{n-2}), \text{reverse}(\text{num\_digits}(\text{max}(\text{max}(\text{num\_digits}((\text{max}(a_{n-3}, a_{n-3}, a_{n-1}) + a_{n-3}))), (a_{n-2} + a_{n-2}), a_{n-2}), \text{reverse}(\text{num\_digits}(\text{max}(\text{num\_digits}((\text{max}(\text{num\_digits}(\text{max}(\text{num\_digits}(\text{max}(\text{num\_digits}(\text{max}(\text{num\_digits}(\text{max}(\text{num\_digits}(\text{max}(\text{num\_digits}(\text{max}(\text{num\_digits}(\text{max}(\text{num\_digits}(\text{num)digits}(\text{num\_digits}(\text{num)digits}(\text{num)digits}(\text{num)digits}(\text{num)digits}(\text{num)digits}(\text{num)digits}(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{num}digits)(\text{n$