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