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