$a_n = (\operatorname{reverse}(((\min(\operatorname{num\_digits}(a_{n-3}), ((\operatorname{reverse}(n) - n) - a_{n-1}), a_{n-1}) + (\min(\operatorname{num\_digits}(a_{n-2}), a_{n-3}, a_{n-3}) + (\min(\operatorname{num\_digits}(a_{n-2}),$