

T1P6 – Thai Citizen ID Checksum

Thai Citizen ID can be verified if it's the legit ID or just random numbers, with the 13th digit is the checksum

$$n_{13} = (11 - (13n_1 + 12n_2 + 11n_3 + 10n_4 + 9n_5 + 8n_6 + 7n_7 + 6n_8 + 5n_9 + 4n_{10} + 4n_{11} + 4n_{12}) \bmod 11) \bmod 10$$

Write a program to find the checksum from the first 12 digits of Thai Citizen ID and display it in format of the formal Thai Citizen ID (see testcase below).

Sample Testcase

Input	Output
123456789012	1 2345 67890 12 1