

Device for adding and subtracting remainders of numbers modulo belongs to the field of automation and computer technology and can be applied in computer systems and components operating in a non-positional residue number system. Into the device comprising first and second input registers, an output register, a ring shift register, a decoder, an encoder, first and second groups of AND elements, a comparison circuit, a pulse counter, a pulse generator, and an inhibition element, first and second AND elements are further introduced. Technical result: reduction in the amount of equipment of the device.