

# Algorithm of stamp of data AG85ASD1

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1. Parameters of the algorithms are:

- 1.1. Parameter 1 – size of resulting stamp in digits;
- 1.2. Parameter 2 – signature sequence of digits;
- 1.3. Parameter 3 – sequence of digits of data to be stamped;
- 1.4. Parameter 4 – number of stamp digits which every of digits of data to be stamped

influences;

2. Variables of the algorithm are:

- 2.1. Sequence 1 – sequence of initially set to zeros digits of size Parameter 1;
- 2.2. Sequence 2 – sequence of digits firstly of Parameter 2 in order as provided and secondly of Parameter 3 in order as provided;
- 2.3. Digits Size 1 – maximum size (variability) of a digit of Parameter 3;
- 2.4. Iterator 1 – initially set to point to first digit forward cyclic iterator over digits of Sequence 1;

3. Actions of the algorithm are following:

- 3.1. Sequentially for every digit of Sequence 2 in order as provided:
  - 3.2.1. Sequentially Parameter 4 times:
    - 3.2.1.1. Modular Digit Size 1 add the current digit of Sequence 2 to a digit pointed by Iterator 1;
    - 3.2.1.1. Cyclic forward move of Iterator 1;

4. Output (stamp) is equal to final value of Sequence 1.