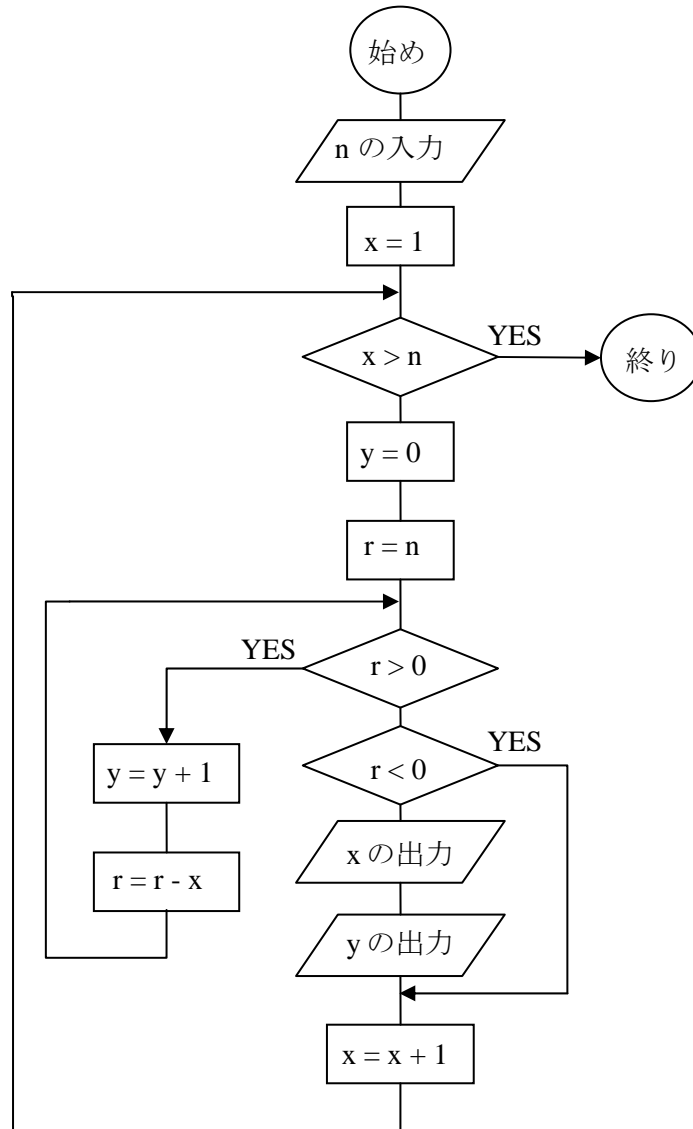


2

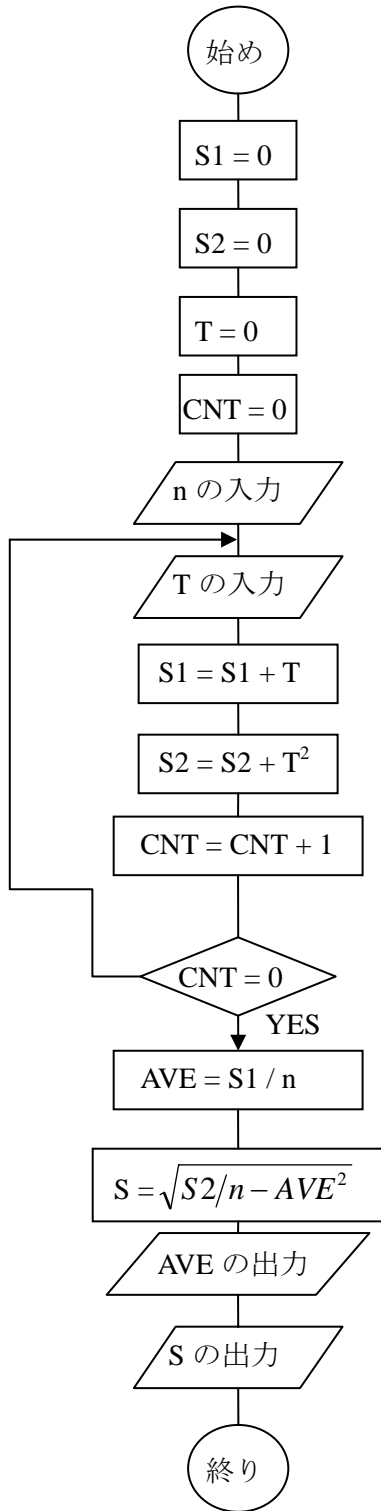


3

$$s = \sqrt{\frac{1}{n} \left(\sum_{i=1}^n (T_i - T_a)^2 \right)} = \sqrt{\frac{1}{n} \sum T_i^2 - \left(\frac{1}{n} \sum T_i \right)^2}$$

$$\sum_{i=1}^n (T_i - T_a)^2 = \sum T_i^2 - 2T_a \sum T_i + nT_a^2 = \sum T_i^2 - \frac{1}{n} \left(\sum T_i \right)^2$$

$$\left(\sum_{i=1}^n T_i = nT_a \right)$$



4

$$a_0 \sum 1 + a_1 \sum \frac{1}{T_i} = \sum \ln p^0$$

$$a_0 \sum \frac{1}{T_i} + a_1 \sum \left(\frac{1}{T_i} \right)^2 = \sum \frac{1}{T_i} \ln p^0$$

$$\ln p^0 = 15.9 - 3.47 \times 10^3 \left(\frac{1}{T} \right)$$