$$a_{22} x_2 + \cdots + a_{2n} x_n = b_2$$

$$A = \begin{bmatrix} a_{11} & a_{12} & \cdots & a_{1n} \\ a_{22} & \cdots & a_{2n} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n-1} & a_{n-2} & \cdots & a_{2n} \end{bmatrix}$$

$$\Omega = \frac{bn}{a_{nn}}$$

$$2 \qquad \chi_{k} = \frac{b_{k} - \alpha_{k, k+1} \chi_{k+1} - \cdots - \alpha_{kn} \chi_{n}}{\alpha_{kk}} \qquad \left(k = n+1, n+2, \cdots, 1\right)$$

第涡:

In put: A, b

Output:
$$\alpha$$

On $\alpha_n = \frac{b_n}{a_{nn}}$

$$922 \times 2 + \cdots + 920 \times 0 = 62$$

an, n- xn+ an, nxn = bn-

野: 对角线上元素不为0. mito (i=1,2,-..,n)

$$\Omega \qquad \chi_n = \frac{bn}{a_{nn}}$$

$$2 \qquad \chi_{k} = \frac{b_{k} - \alpha_{k, k+1} \alpha_{k+1} - \cdots - \alpha_{k_{n}} \alpha_{k}}{\alpha_{kk}} \qquad \left(k = n+1, n-2, \cdots, 1\right)$$

第涡:

In put: A, b

Output:
$$x$$

O $x_n = \frac{b_n}{a_{nn}}$

get:
$$N = \begin{bmatrix} N_1 \\ N_2 \\ \vdots \\ N_n \end{bmatrix}$$

