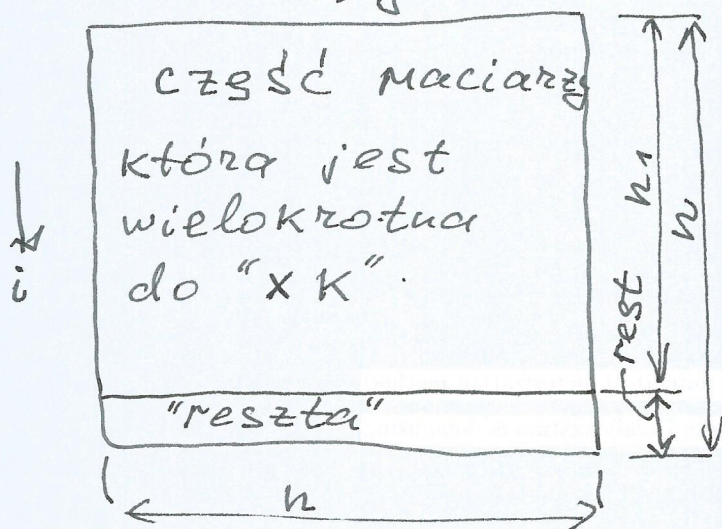


Zadanie Rozwijanie pętli

Przykład: "x2".



"x.k" - k razy rozwijamy pętle.

$$rest = n \% k; \quad n_1 = n - rest;$$

$$y \leftarrow 0; \quad rest = n \% k; \quad ij = 0;$$

$$\text{for}(j=0; j < n; j++)$$

{

$$z = x[ij];$$

$$\text{for}(i=0; i < n - rest; i += 2)$$

{

$$y[i] += A[ij] * z;$$

$$y[i+1] += A[ij+1] * z; \quad ij += 2;$$

}

$$\text{for}(; i < n; i++)$$

$$y[i] += A[ij++] * z;$$

}