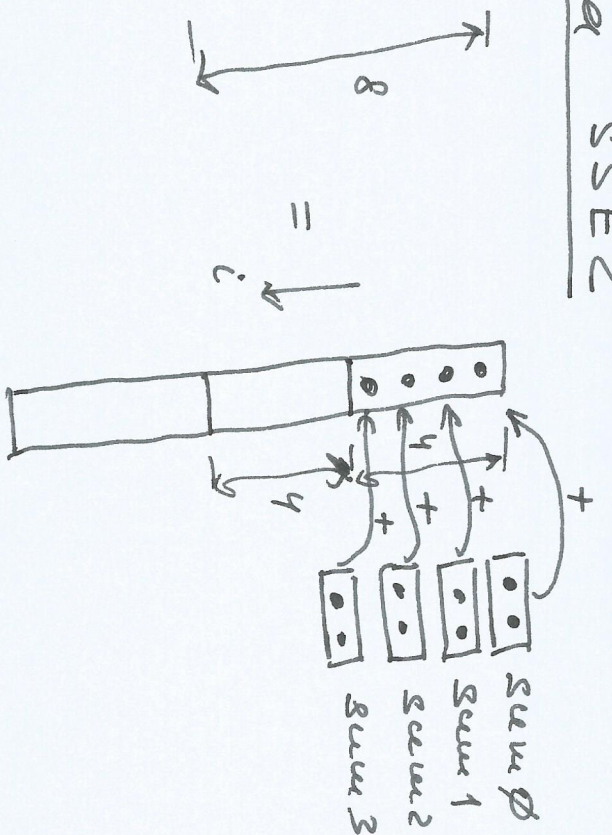
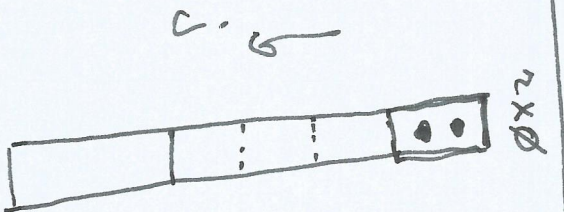
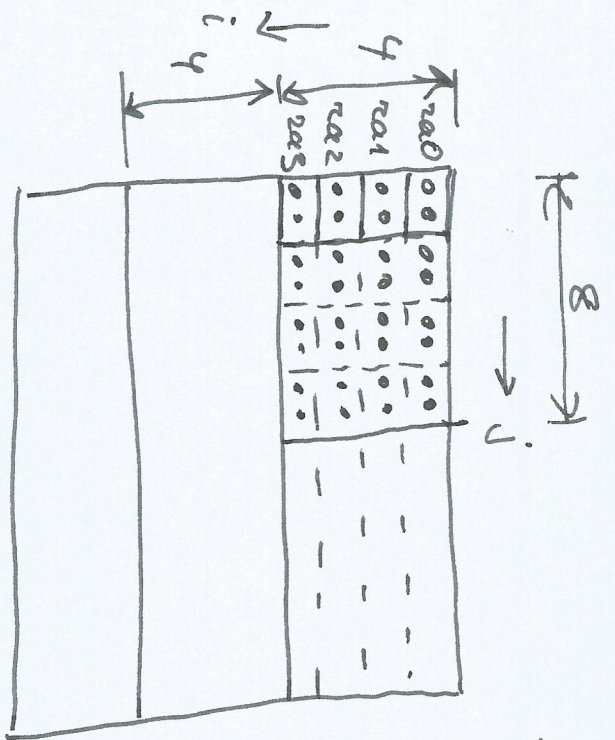


Technika SSE2



$i = 0; i < n; i += 4$

$sum0 = \dots = sum3 = 0;$

$j = 0; j < n; j += 8$

load-pd $\left\{ \begin{array}{l} ra0: [a_{11} \ a_{12}] \quad [x_1 \ x_2] \quad 2 \times 8 \\ ra1: [a_{21} \ a_{22}] \end{array} \right.$

mul-pd $\left\{ \begin{array}{l} ra0: [a_{11} \cdot x_1 \ a_{12} \cdot x_2] \\ ra1: [a_{21} \cdot x_1 \ a_{22} \cdot x_2] \end{array} \right.$

sum0:

$a_{11} \cdot x_1 + a_{12} \cdot x_2 + \dots + a_{1,2n-1} \cdot x_{2n-1} + a_{1,2n} \cdot x_{2n}$

sum1:

$a_{21} \cdot x_1 + a_{22} \cdot x_2 + \dots + a_{2,2n-1} \cdot x_{2n-1} + a_{2,2n} \cdot x_{2n}$