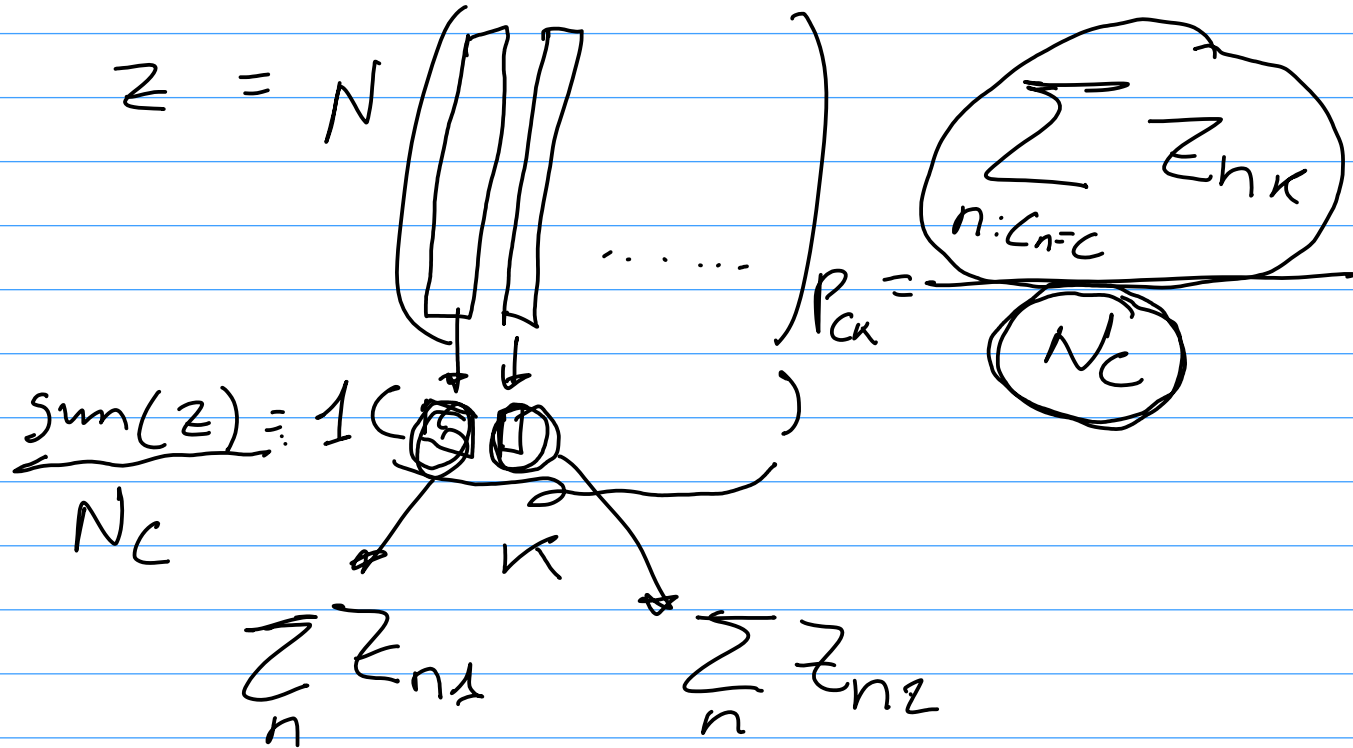
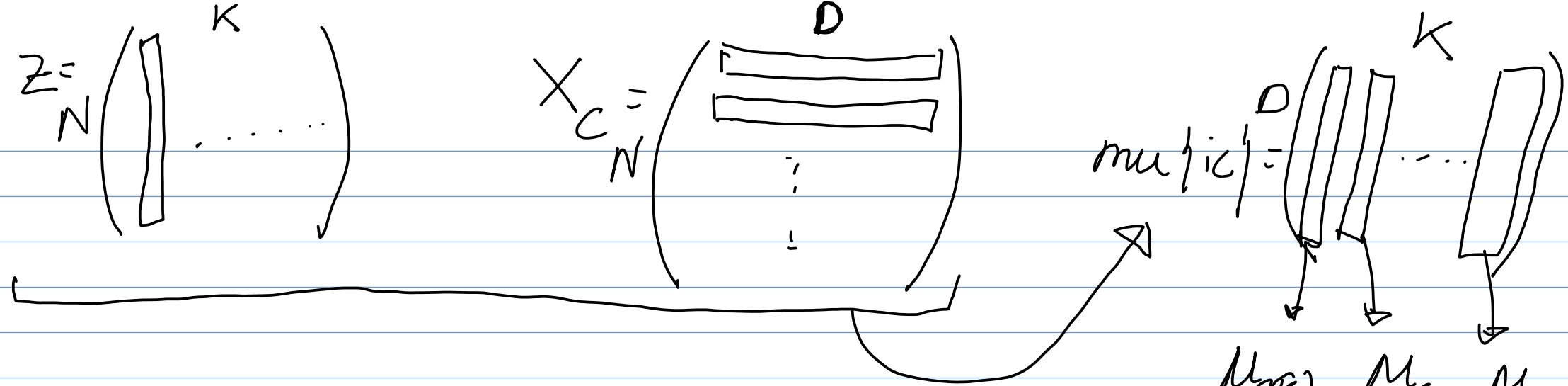


↓ Pesos de las muestras en la componente k

$\text{sum}(Z) \rightarrow$





$$M_{Ck} = \frac{\sum_n Z_{nr} X_n}{\sum_n Z_{nr} \rightarrow \text{Sum}(Z)}$$

$$N \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix}^{\sum K} \quad N \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix}^{X_C}$$

$$\rightarrow D \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix}^{mult K}$$

$$D \begin{pmatrix} 1 & \dots & 1 \\ \vdots & \ddots & \vdots \\ 1 & \dots & 1 \end{pmatrix}^{X_C} \cdot \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix}^{\sum K} = D \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix}^{mult K}$$

$$\begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix} \cdot \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix} = \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix} \rightarrow \mu_{CKD} \begin{matrix} 1 & 1 \\ 1 & 1 \end{matrix}$$

$$\begin{matrix} mult K \\ \begin{pmatrix} 1 \\ \vdots \\ 1 \end{pmatrix} \end{matrix} \rightarrow \begin{matrix} \sum Z = \begin{pmatrix} 1 & 1 & \dots \end{pmatrix} \\ \begin{pmatrix} 1 & 1 & \dots \end{pmatrix} \end{matrix}$$