Converting coordinate to Index:

- Converting Index to Coordinate (X_1, X_2) :

Xz= [/L], where [] rounds the integer downside.

X = [- X2. L1

a) _____ Converting and index:

$$I = \sum_{i=1}^{d} (x_i \cdot \prod_{j=0}^{i-1} L_j), \text{ where } L_0 = 1$$

$$(L_1, L_2, L_j) \text{ is given.}$$

Donverting index to coordinate:

$$\chi_{i} = \begin{bmatrix} I - \sum_{j=i+1}^{d} (\chi_{j} \cdot \prod_{k=0}^{j-1} L_{k}) \\ \vdots \\ \vdots \\ \vdots \\ I - J = 0 \end{bmatrix}$$
 where $L_{0} = 1$; downside.

Trout Perper: 1. 21 = I - X2. [Lo. X1 = 1- X2-L1 · Li-1 Zi = Z - Xi+1 Li-1 1- 52; - HLR Zitl K20 23 - 2 2 2 4 72= 125 Lo-Li 72= (725-L2Lilo)/(1.4) 72= 23-(1.3-4.1)/4 = 25 [= Xslalibo + Zalibo + Xilo

1 - 16/10 - 16