7.2   a)

Convert coordinates to index: $I = x_1 + x_2 * L_1 + x_3 * L_1 * L_2$

Convert index to coordinates: $x_1 = (I \% (L_1 * L_2)) \% L_1$, $x_2 = (I \% (L_1 * L_2)) // L_1$, $x_3 = I // (L_1 * L_2)$

7.2   b)

The data is too large, please check the output file in the folder.