```
Question 7:

7.1(a) index: 1. coordinate: (X_1, X_2)

\therefore 1 = ... t_1 + X_2 \cdot L_1

\therefore X_1 = 1 \mod L_1. \therefore X_2 = (1 - X_1) \mod L_1

7.2(a) index: 1, coordinate: (X_1, X_2, ---, X_d).

1 = ... X_1 + X_2 \cdot L_1 + X_3 \cdot L_1 L_2 + \cdots + X_d \cdot L_1 L_2 \cdots L_{d-1}.

\therefore X_1 = ... 1 \mod L_1.

X_2 = ... (1 - X_1) \mod L_2.

X_3 = ... (1 - X_1 - X_2 L_1) \mod L_3.

\vdots
```