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~ x + hu + (=0

$$\begin{array}{c} (a \times_{1} + by_{1} + (= 0) \\ (a \times_{2} + by_{2} + (= 0) \\ (a \times_{3} + by_{2} + (= 0) \\ (a \times_{4} + by_{2} + (=$$

$$y(A(a,b,c) = g(A(gCd(a,b),c)$$

 $g(A(0,a)=a$

$$\alpha \times_0 + C \equiv \times_1 \pmod{m}$$

$$\alpha \times_1 + C \equiv \times_2 \pmod{m}$$

$$\begin{array}{c}
(X_0 - X_1) \equiv X_1 - X_2 & (mod m) \\
X \equiv (X_1 - X_2) \cdot (X_0 - X_1) & (mod m) \\
X \equiv (X_1 - X_2) \cdot (X_0 - X_1) & mod m
\end{array}$$

$$C \equiv X_1 - \alpha X_0 \quad (mod m)$$

$$C \equiv X_1 - \alpha X_0 \quad mod m$$

Dimension relaction trick

 $0 \times + by * (= 0)$

If we translet our random points on the plan lith a fived point we only need to calculate det for 2x7 matrix

(Xo, X1) fixed point plan

(Xi - Yo Xi+1-X) = E, m for some E; E/L

Aut (Xi+1-X) Xi+2-X,