Assymetrical Eryptogrouphy

$$y = f(x)$$

$$x \longmapsto y$$

$$y \longmapsto x \times (x)$$

publick private

2 Digital Signorture
verity

Fru, pab,

$$\frac{R}{3A}$$
 $\frac{R}{3A}$
 $\frac{R}{$

(1) Encryption

- (m) = m % n = enc

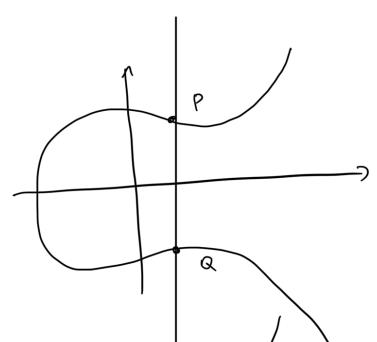
$$\frac{E(v)}{\int_{0}^{\infty} (e^{v})^{2}} = e^{v} \frac{\partial_{0}^{2} N}{\partial v} = e^{v} \frac{\partial_{0}^{2} N}{\partial$$

$$y^{2} = x^{3} + ax + 6$$

$$4a^{3} + 27b^{2} \neq 0$$

$$S = P + Q$$



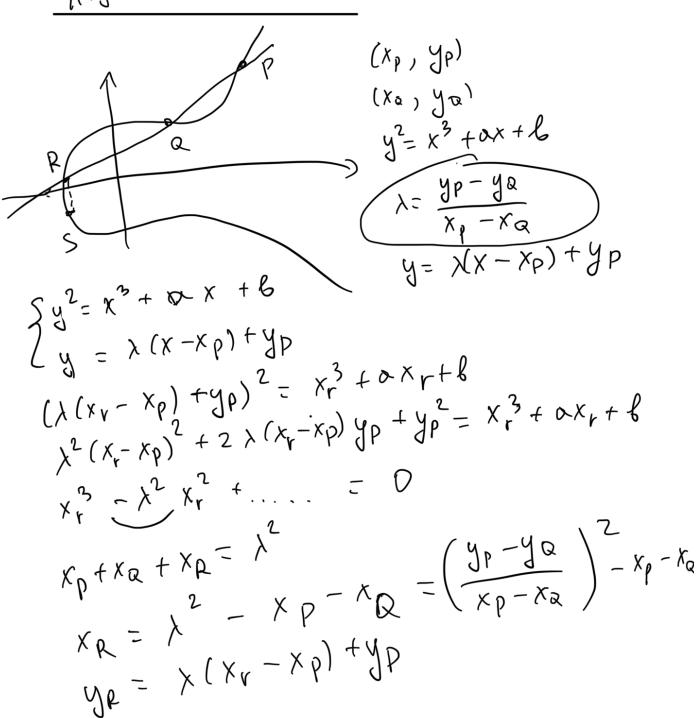


$$(\alpha + b) + c = \alpha + (b + c)$$

$$community between the community between th$$

add ition

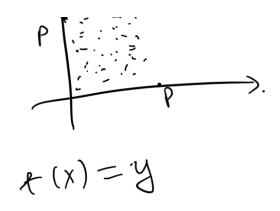
Algebraic ---



$$\frac{\mathbb{F}_{p}}{y^{2}} = x^{3} + \alpha x + b \pmod{p}$$

$$y^{2} = x^{3} + 27b^{2} \neq 0 \pmod{p}$$

$$y^{3} + 27b^{2} \neq 0 \pmod{p}$$



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