$$|f| = q^{\deg(f)} \longleftrightarrow X$$

$$\log_q |f| = \deg(f) \longleftrightarrow \log X$$

$$\sum_{\deg(f)=n} h(f)$$

$$\sum_{F \text{ monic}} \frac{h(F)}{|F|^s} = \sum_{n=0}^{\infty} \left(\sum_{\deg(F)=n} h(F) \right) q^{-ns} = H(u)$$

$$\zeta_A(s) = \frac{1}{1 - q^{1-s}}$$

$$\sum_{n \le x} d(n) = x \log x + c_1 x + O(\sqrt{x})$$

$$\sum_{\deg(f)=n} d(f) = (n+1)q^n = q^n n + q^n =$$

$$= x \log_q x + x$$

$q^n = x$

$$D_{\Phi} = \sum_{n=0}^{\infty} \sum_{\deg(f)=n} \Phi(f) \frac{1}{|f|^s} = \zeta(s)^{-1} \zeta_A(s-1)$$