

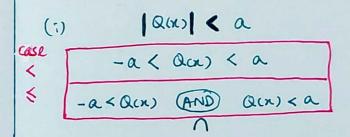
$$|Q(x)| = a$$

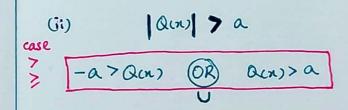
$$|Q(x)| = -a \quad \text{or} \quad Q(x) = +a$$

(ii)
$$|Q(x)| = |P(x)|$$

 $(Q(x))^2 = (P(x))^2$







(iii)
$$|Q(x)| > |P(x)|$$

(a(x))² > $(P(x))^2$

(iv)
$$\left|\frac{P(n)}{Q(n)}\right| < \alpha$$

(are $<$
 $|P(n)| < \alpha |Q(n)|$, $Q(n) \neq 0$
 $>$
 $(P(n))^2 < (\alpha |Q(n))^2$