Hx + [1x² is diwarble by 3) => (x is diwarble by 3)

Contrope sitive

Hx ∈ Z: (x not div 3) => (x² not div 3)

(det x + Z and assume x = 3K + &

x² = x · x

= (3K + 1)(3K + 1)

(Since wither ferm is diwarble by 3,

neither x² is diwarble by 3

This is correct, but I also need to

consider 3K + 2 and prove it with that as

well