= a multiple of P

= { d/p if lis an integel multiple of dp

k ∈ {0, p, 2p, .. d-p} O else

Sinteger multiples of p Hint - Assignment 2

Prove it to get half a bonus point!

Hint for proving the hint -1 Look at: roots of unity (Lecture notes 5.2) Alternative: geometric series & l'Hôpital's rule