LECTURE 16 22.03.2024 More on quotient rings Let R be a ring and I be an ideal of R. The quoteent ring is then given by R/2 = {r+I: rER3. Also, there is a maturnal map f: R->R/:r +T What are the ideals of R/I ? fet us consider the following two sets A - {J J is an ideal of R containing I } O = { K/: K/ is an ideal of R/1 } Claim: There is a one-one correspondence between these two sets, A and B.

















