1. Prut of rsa. We want to show that ( M2) = m ( m2 N) Where n=Pa, p on a a we do that prime numbers, and e and I are pusitive inverte satisfying ext 1 muz(p-1)(q-1) The first ed = 1 mol (p-1)(4-1) impres ed 3 distrible by (P-1) and Cq-1). We can this wife ed-1= L(p-1) = L(q-1). for some nonegette inter h fk. we my crear they was = w was a sibrida 11) Show MEZZIM MUZ P Che 2: NZO muz & Then mez = DEM huzi R. Cuse 2: AZO. MOZRI Then me = mer-1 m = (me) m = 1 m = 1 m = mol p since P=== 1 mod p by fermet's little theorem. More that he can make an analogues arguest mod quiving The feet that (mq-1) = 1 mos q. How med = m mos q.

he have show that there in most p one mes in most a.

Hence need in most pay or equivalently, med zin hod p