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## Week 2 pt 2 ##
                                            evo! IR[x] > R
                                                             f(A) 1-> f(0)
                          then Kc (ev.) = (x)
                                              im (ev.)=1R
                                    " IRE = IR is a field
   COMPOR: (x2-1) = IR[x]
                clain: (x2-1) is not a prime that
            proof: (x2-1)=(x-1)(x11) = (x2-1)
                                  (1+5x) $ (1+x) (1-x) (mi)
                                            busy: it xiie (x= ii) som xii= (x=1) tex
                                                                                                               => feg(x11)=deg(x2-1)+leg(((A))
                                                                                                                                  contakiction!
          Prof. ev : IR[x] -> IR * IR
(x) -> (x(1), x(x))
                           check: Ke (eV1,-1) = (x2-1)
                                                    im(ev, , )= 1Rx1R
                                     R[x] = Rx IR

Not an integral domin
                                                                                                                                                                                                (Chinese remainles Hearen)
                                                              (10) = (01) = (010) "
               proof: R[x] = R[x] = R[x] x R[x] = R[x] x R[x]
Ex(4) (4)5(3)5 2
         42/42 = 1/22/42 D= 1/2
     , -4-1 -1 -1 O 1, E ---
        47 = (4) = {-4,0,4, ---}
           Bette proof: R/5 = R/2
                                                                                                                 JEIGK
                         Find home p: R/s > R/1
                             -A Ker(4): 1/1
                                                                                                                               The b(ris) = ris will work
                                                in(4) = 1/I
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why well defind?

suppose rijerit to review JEI

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