

CCD / HCt righest common CARESTEST Common duison tos 67 a, 5 parct us > 5 a -> diside complete a dishef = 0 mex no a = 24 = (x2 x2 x2 x3) Common b = 72 = (x2 x2 x2 x3) x3 1x2 x2x2 =) 24 HICE = (> Euchid 's Ago to Frod GCD

) god (a,b) = god (a-b,b) =) Warra worker Induction prove 7213 farmula ged (a.16,6) à 2cm (a,b) + ged (a,b) = a + b

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00
   ged (a,b) = ged (a-5,b)
                                 a > h
                  ged ( 6-9, 9)
                                  akb
          KII one of the passameter
         become s
    ged ( 72, 24)
      (s gca (48,24)
      ( 24, 24)
      Lo ged ( 0 1(29))
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Lem + HeF = a + bLem (a, b) + HeF(a, b) = a + bLem = a + bgcd