Mathe Arrignment - ?

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D'Explain Euclidean Algorithm. Write the 3.c.2(1547, 560) as linear combination of 1547 & 560

En mathematics, Euclid's algorithm is an efficient method for computing the greatest common Division of two integers, the largest number that divides then both without a remainder. It is named then both without a remainder. It is named after the ancient livest mathematicion Euclid.

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gcd(1547,560)

1547 = 2(560)+427

560 = 1(427)+133

427 = 3(133)+28

183 = 4(28) +21

28 = 1(21)+7

: 7/21; :- gcd(1547,560) in 7.

I) Encrypt the mersage "meet me" using the fit till lipher with the key [94]. Show your calculations of result.

It For the key, choose a 2x2 natrix with entries in Z26

-> Next convert the plaintext into pairs of numbers from 226

-> Now convert the plain text to numbers to lipher text numbers, using key.

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$$\binom{c_1}{c_2} = \binom{4}{5} \binom{13}{5} \pmod{26}$$

-> Thus, "me" is energeted as "hu"