

MA 190 IN THIS EXAMPLE MITH E: (3, 4), which should D: (4, 73) be?

Encipher

On 19 (m-4) 31 med 26

\$p (m) \$ 3" (m -9) and 26
\$\frac{1}{2} 9m = 10 \text{ mod 26}
\$\frac{1}{2} 9m = 16 \text{ mod 26}
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                                                                           (ade O, and Q)
    Problem
       you necessar the filering ciphertest - OH-7F86BB46R3627026BB9
        And you know the Collectory
                 i) 37 letter alphabet
                       L & 1, 2, 1, 9 A 10 B 11, 1 7 SS
                 2) An affine cryptosystem is used on single letter message units will E (a., 72)
                 plaintext cods with box -
                                       $ 7 - 3 9
8 - 3 B
        Encipherine Function:
                   X | 37 | need 37
                    0 = 00 + 13 mad 37 = B
                      11 = 13
                    7 - 0x 7 + 11 mod 37
                         37 5 5 7 1 2 gd
                           7 - 3 2
1 : 7 - 3(37 - 5.7)
                             1 - 16.7 - 3.37
                           77 44 39 . (6
                                                            5 -2.7
               Jp: 4 -> (4-11).5
                   Y - 1) 15
                   4 6, 19 , 15, 120 -> -1D (15, 20)
                   OH7 F 86 BB46 R362 7026 BB9
                    15-2-12
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