thid the four on a square loop placed as shown in the figure have an infinite obtacional original wive Both the loop and will carry Bart (b) NOW, In the b we are given with the triangular loop Stady consent I. the love on the bottom part will be same as (a) Find the force on the triangular losop the east faut (i.d) deo12a Magnific field on the left side will be Ho]? df = T(d(XB)) = T(d(XX) + d(XX) + d(a \$ s = 4012 (-dnŷ+dyñ) the fouces on the tuen sades Camel each other . hu are fur lift with the top and ... Bottom part of the loop, the x component concels the sasters ponding terms from from the night side & Nagnatic Gold on the lap of the loop fy = -4072 stotal2 27(3+9) & PANCO = FOR TOP = (10] I a = 110 12 9
27(3+0) 27(3+0) here y=13n Magnetic field on the hollow of part of the chapped a B = 1403 1101 275. Fy = 40 T2 ln (3/3 + a/2 and So, = - Un I2 In/I+ V3q four = Footom = LoI) I a = MoI²a 2xs 2xs 275-11 the force up the elight side is same as the not fouce on the Mangle le 40 12 9 + 2 In (1+ 59) 2x LS V3 (25)