

Scanned with CamScanner

```
X=S(wad 2)
         X=3 (mod 5)
         (X = A (mod 7)
3) (a) multinuerse of 5x7(md 3) (b) smallest a & Z+ where > 19,719, and
                                    a= 2 (mod 3)
        35 (mod 3)
     2(35)=70=69+1
                                      = 35 x (4 mod 3).
            (Mod 3)
   (c) multinuerse of 3x7 (mod s) (d) smallest be Z+ where 3/6,7/6, and
                                  b=3 (mod 5)
         21 mod 5
         = | mod 5
                                     =21×3
                                     63
                                 (f) smallest c = Zt where 3 (c, 5 (c, and
    (e) multinverse of 3×5 (mcd 7)
                                    c=4 (mod 7)
            15 mod 7
                                    C=3x5x((15x1) mod 7)x4
                                       = 60
   (a) solution:
      X= a+b+c (med 3x5x7)
      x= 35+63+60 (mod (05)
       x=98+60 (mod 105)
         X=53 (mod 105)
```

Scanned with CamScanner