X2-X4=CK1, where Kieze word: X2-X2 cks

```
[O] = {0, 6, 12, ... }
Pert 3:
  Now consider F3(n)= n F3(n)= 2
                                                    [1]~= {1, 7, 13, ... $
  real: F. def: Yt (té F c) 3x(x6m n t=([x]n, [2]3)) [5]n= {5, 11, 13, ... }
       W= {0,1,L,..}
       nadó: Yt (tt ~ => 3m, n (mintw a t= <mins a 3k(kez a m-n=6k)))
   know tom (m & dom f > 3, y lem, y> & f 1)
        Let m be a set
                                                    X=x3264, (5,67)
           m 6 dom F
         -> 3y(cm, y> + f)
                                                    2(2×2-7/2-1)
         -> <m, y,>cf (FI/y.)
                                                       Find canter example.
        → let *2 & w ~ < M, y, > = < [ *2], [ 2*2], >
                                                         [=]=[=]
              m = [ x2 ]~
                                                         [z']=[z]
              y = [2 x2]~
                                                        [27]-[128]
           Show YZ (KM, Z7 & F > Z = y,)
              let & be o out
                                                               x= 128 + 6K
                                                               x = 128 - 6(21)
                 emizze F
                                                    [2×3]2)
                -> let x3 tw 1 (m, 2) = L[ x3] ~.
                                                               [5] = [1]
                      m= [x3], Z= [2x3]~
                                                               [25] [27]
                     The
                                                              [2] | [2]
                    51, [x2] = [x3] w
                     63 (x2, x3) 6 N
                                                              [6]=[6]
                    3 3K (KEZ 1 X2-X2 $ 6K)
                                                               [2]=[1]
                    > K, EZ 1 x2-X3 = 6 K1
                                                               [26]=[47]=[47
                    want [2"= [2 x37
                       ie. 2x2 - 2x3 = 6 K2 for some K2
                                                                a+[1] +[4] ×
```

Is this possible?