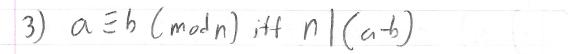
PI

Ráfael Hidalgo

this is an Arithmetic sequence, which conbe written as

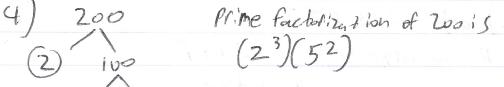
$$an = 2 - 2(n)$$

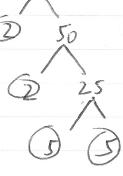
6)
$$a = -88$$
, $m = 13$
 $a = -88 = (-7)(13) + 3$



$$(24-14) = 10$$

to 14 modulo 7, 24 is not conquent





b)
$$6 \text{ cn of } 4^3 \times 7^2, 2^3 \times 4^2 \times 7^5$$

= $(2^\circ)(7^2)(4^2) = 784$

6) Assuming the following

ABCDEF6HIJKLM 0123456789101112

NOPQRSTUUWXYZ 13 14 15 16 17 18 19 20 21 22 23 24 25

5 toP at noon 18 19 14 15 019 13 14 14 13

after InRiha much in function f(x) (x+5) mod 26 we get 23 24 19 20 524 18 19 19 18 which = A Y-T U E Y S T T S

What do we need to prove in the inductive step?

Let n=K++ N=K

we need to prove that

Now we conviete the Inductive step.

This Proves via mathematical Induction that the rebit is true for ktl and therefore for 1>0.