ASA) This is false as The hS-1 is even to h4 h3 th2 th 41,

then IP-1 h is divisible by h4 h4 th2 th 11 then that would mean

it would be divisable by itself. If AS well the proof doesn't

take into account cu-1), so h5-1 would be divinue ch-1) and

h4 th3 th2 th41.

6) We will disprove this by compres example, if x2 2 then

 $2^{5}-1 = (2-1)(2^{4}+2^{3}+2^{2}+2+1)$ $= 31 \quad \text{Which is prim}$ $= 31 \quad \text{Which is prim}$

.: the Statemen is face for when h= 2 as that provides a prime

C) Krimmi literen 23, ... the statemen becomes:

Y h & Z , ip h = 3 , then h = 1 is composite