I to k let kelo primes P[i] l'exponent a[i] 2 3 5 F of P[i] · 23 x 32 x 5 x 7 - 25 20 P[i] a[i] fet P[i]=3 let Plil-a a[i] = 2 < 10 22 24 < 10 3229<10/ 23 = 8 < 10 33-20/10 27 = 16 / 10 P[i]=3 . a[i]=3 a[i]=2 is the is the greatest greafest power of power of P[i]=2 P[i]-3 Repeat process for all primes { k

for a given prime P[i] we can get a [i] => PCiJ = k fog both sides atil fog (PCiJ) = I fog (k) 2) a[i] = log(k) This will give float fog*(P[i]): we need integer because a[i] second exponent [TIP] we only need to eval j.e. k=10 alil for Plil< Vk PIJ-2 ... a[1] = Hoor (fog (k10) / log (2)) V10 = MBD 3.16 .. ony p[i] < 3.16 2 Hvor (4.32) = (4) vill have a [i]>1
5.7 have a [i]=1 .". a[i] = Y