Assignment 2 W(n) = 2W(13)+1 W(n) = (2) +1 m/ 1 / (2)31 1 W(33) 1 1 U(3x) 1 M(n+ 1, -(6)(27) 4000 2014 + 2 -100 3 Wn = 5WC4)+n W(n) 5 w(f)th n>1 Assume: 4k =1 h= logn (0 n/s = n logn so win = 5w(A)+n = (Inlan) THE THE THE THE THE TE

W(n) = 7w (4)+n Asome: In=1 nh= logn h= nlogn OCHlogo $w(n) = q\omega\left(\frac{n}{3}\right) + n^2$ History $\frac{n^2}{3h} = 1$ 17/1 = 10gm h= no log n OCas loga) Wn = 8W (2) 4n3 4008/2 15/00/28 =3

49W(是)+港bgn 1671-112W=(1-112 0 6+(8-12-11-12) Wh-1-2)+2 Wh-1-2-Wh-1-2)+2 Win - TWCn-2) ta3ta w(n) = [w(n-3)+4]+9 w(n) = W(n-3)+6 w (n)= W(n-K)+ K was = wan-n+n 1+ (O) w= (N) w MM = Itu

Wh = W(h1) + nc, with czl 8 Wn-1) = Wn-1-1) + n-1° 21-4 (E-12) = (H2) SI H SIM (CAS) = (UN Wh = Wh-2)+ n-6+m w(n-2) = w(n-2-1)+n-2 W(n-2) = w(n-3)+ n-2 W(n)=[W(n-3)+n-29+ n-19+ W(n)= W(n-3) + n f + n- + + n Way - CU 13 + Mar + (M-1) + (M-12) + ... + (M-14) Asine n-1C=1 My Mill the the ming them the d. 1+ (now)=(n) Ma=n smorth ((2) = ((2) + K Wh) = Whit)+1 W(n) = W(n22) +2 Asme 1/2(22/2)= w (3) Un]=Wh?)+3 MOU) = MC USED + K W= 3x 9 K=1022 V=3 & W= 100 % K=loglogen (Ollow los as

2 a=5, b= a A: 5 problems cire of stipulms - add lon ip lively: ocn) Wn = 5 w (2) + (Cn) nlogba = nlogas Qu (108/2) = Qu3.3 aK 1+3+5+3+...+9/=1(3-1) = a = 1 Assure notes NEK

