Sunday, 14 November 2021 8:33 PM attendence record n=2A AL AA ALA AA L AAP AAA f (n-1) n-2 f(n)=2+1(n-1) - f(n-4) 2 cases No A is present Single A is present Checkrecord (n) & long [] $f = \text{new long } [n \leq 5?6:n+1];$ 1 (o) = 1 B[i] = 2 1[2] = 9 1 [3] = 7 for (int v= 4) i(=n) i++) return (int) (sum / M)s Maximum Subarray

are $\rightarrow [-2, 1, -3, 4, -1, 2, 1, -5, 4]$ -2, 10000000, -3,4--] [(3),(1),(-3),(4),-1,(2),(1),-5,4]current SubAmay = B-ZX-ZYB8455 max SubAmay = D-ZXYX 56 Maximum Product subarray 1 Dess 2 Negative numbers $\frac{1}{2}$, $\frac{1}{2}$, current -> 2/-5/3/1/0 2/8 max so far -3 -5 3 2000 2/ 16 min so far - 30 - 35 - 12/2 (-5,2x-5)2x-5) 3, -57 3, -10 4 3

f(i) = ((2*f[i-1])% M + (M-f[i-4]) / M? long sum = f[n]; for [int i=1; $i \le n$; i++) sum +=(f[i-1] * f[n-i])% M;