Math 135 10/15/2010 Announcements - No class Monday - Building closed all weekend

ALGA(A[0, ...n - $\frac{1-2}{2} = \frac{1}{2} = \frac{$ for i = 1 to 2^{1000} $x \leftarrow x + A[i \mod n] + n$ return x

 $ALGD(A[1 \dots n])$: $k \leftarrow \lfloor n/2 \rfloor \succeq$ for i = 1 to kfor j = k + 1 to nx := x + A[i] * A[j]return : = k+1

$$3+3 \underset{i=1}{\overset{k}{\geq}} (n-le) = 3+3 (n-l)+(n-2)+\dots+(n-k)$$

$$= 3+3 \left((n-l)+(n-2)+\dots+\frac{n}{2} \right)$$

$$= 3+3 \left((n+l)+(n-2)+\dots+\frac{n}{2} \right)$$

$$= 3+3 n \left((n-l)+(n-2)+\dots+\frac{n}{2} \right)$$