Date Home work # 4 Day MIWIFS 191-1196 Design and Analysis of Algorithm TO Ms. Maryam Bashin  $\binom{n}{z} = \frac{2}{n} \left[ \frac{1}{2} \binom{i}{2} + n \right]$ Lecursive Sum = 0 for i=0 TO n-1 } Sum +=c(i) pecursive case return (2xSum +n) Time Complexity = 1+2+--n = on(n+1)/2