a={7,1,5,3,6,4} buy on day i sell on day j'>i get nax profit  $= \alpha \mathcal{J} - \alpha \mathcal{I}$ or (i=0; i<N-1; i++)> for(j=i+1; j<N; j++) { Compare A[J-A[i]  $\rightarrow 9(N^2)$ 

alil-alj7> Maljan temp max <0 Cummin < A[0]

for (i=1; (<N; i++) A[1] < currenin: currentin else: temp Max, A[i].