Problem 2: Bubble Sort T(N)=1+1+2N+(N-1)+x+1+x+3x + 2x + 2x +1 = 11x +3n+3 11 N2-11 N+3N+3 Jelection Sort N-13+1+N-1=2N N-1) + (x+1) + xT(N)=1+1+2N+N-1+N-1+X+1+X+Sx+x + 2(N-1) + 2(N-1) + 2(N-1) +1 =6x+10N-4 = 3N2-3N+10N-4 T(N) = 3~2 + 7~-4 > O(N2)

Scanned with CamScanner