Selection Sort int indx, minj for lint pos=0; pos(n-1) pos++) {
min = [a] pos; indx=pos;
for (inti=post); ich; itt) }
if (ali) < min) }
min = ali); indx=i; a [indx]=a [pos]; a [pos]=min; 06+ = 0 (0; + > 0)  $O_{b} + \sum_{i=0}^{N-1} (O_{i} + (h-i-1) O_{j}s) O_{j} + PO_{s} = O_{j}s$ Ob+ (n-1) (Oi+ (n-i-1) Ojs) Take largest (n-1)(n-i-1) (is + (n-1) 0; + 06 letojs=(' ne"+nc'+c

Question Z Pubble Sort bool Swap; swap = false; for (inti=ojikn-ljitt) } if(a[i])a[i+1] } a Lij= a Lit Ji, a Lij= a Lit Ji, a Lit = t cmp; suap = true; & while (swap) Ob + Z (0; +Z (POs)) Ob + = (0; + (n) (POs) Op + (n-1) (O; + (n) (POs)) n(n-1) POs + (n-1) 0; + 06 fos(n)= (n-n) (+(n-1) (+ C let  $g(n)=n^2$   $\lim_{n\to\infty} \left(\frac{f_{los}(n)}{g(n)}\right) = C^{1/2}\left(\frac{1}{n^2}\right)$