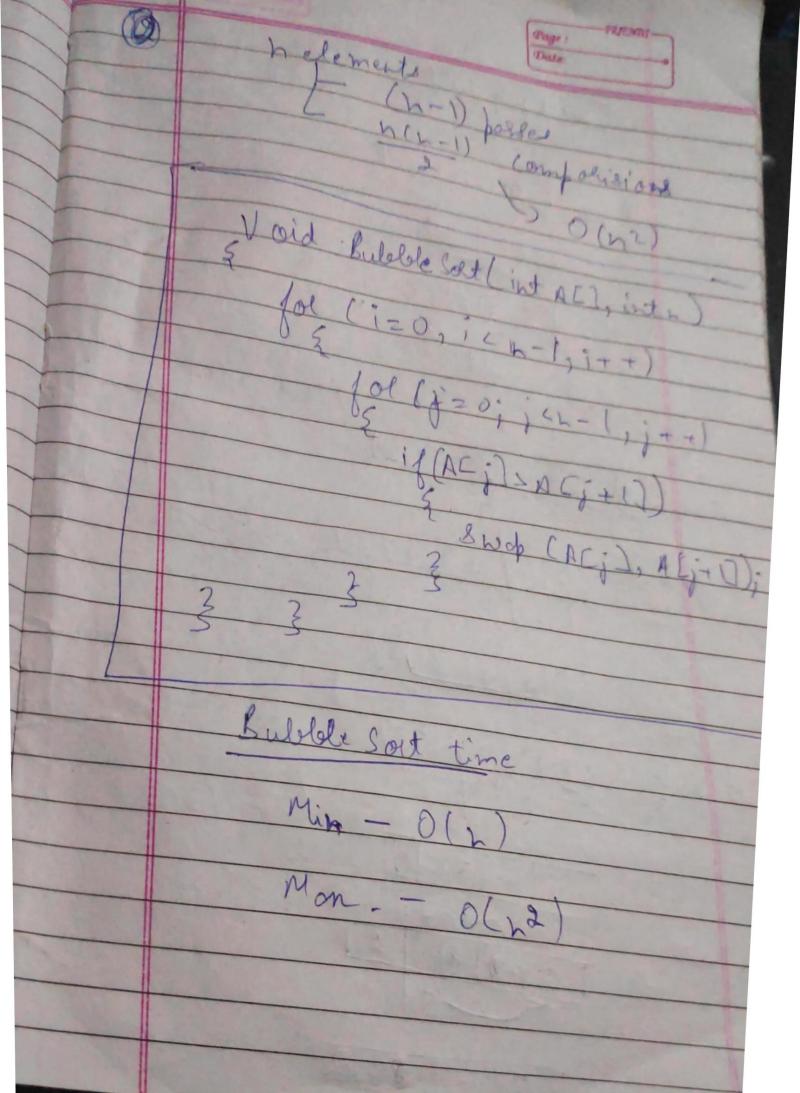
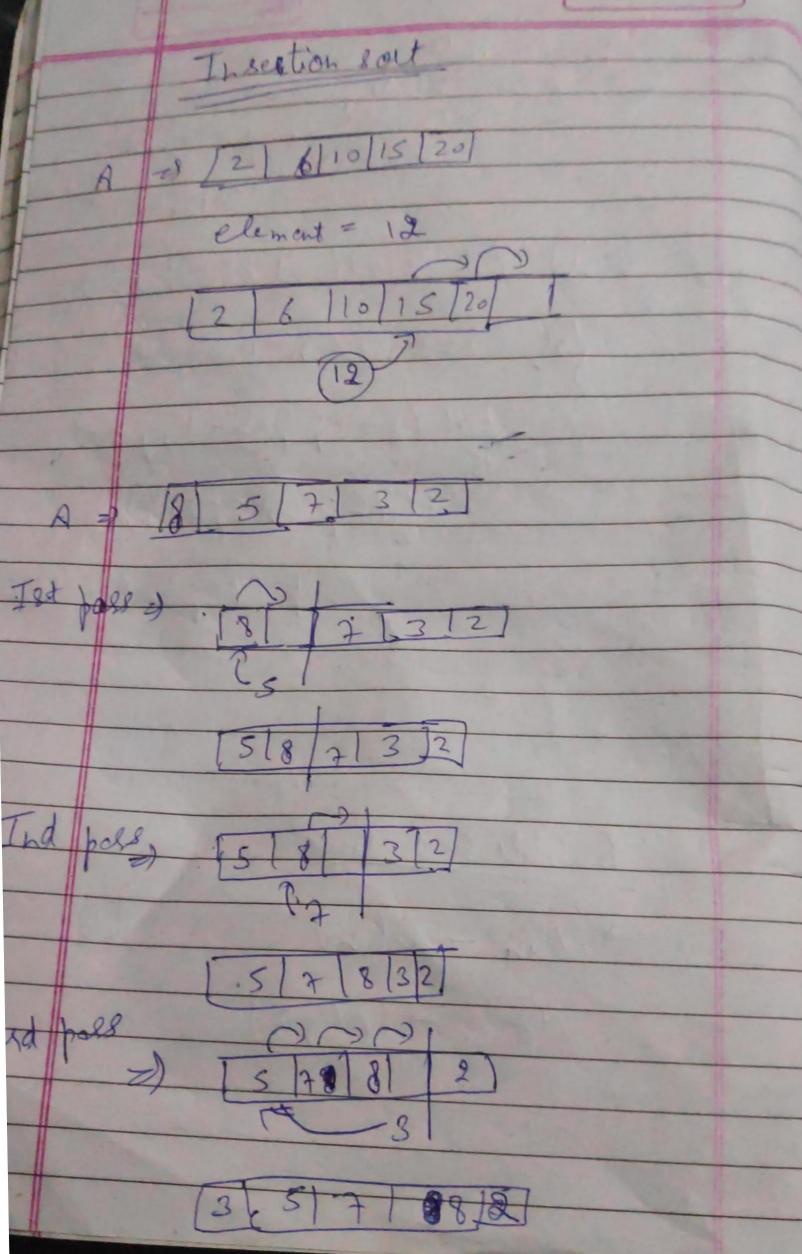
Subble sort Tet Poss = Stando P One poss Highest o 2 posses - 2 greatest no. 18 solted h humbels solded. h poss & (n-1) posses n elements





4th Jas 2 3 5 7 18 No. of passes =) h - 1 · (Omporisions = @2(1-1) (2) 0/2) Void insertion Soltlint ACI, int. · ACj+1] = ACj) A[j+1]=nj

Mon The Min O(12) Day Time 0(1) Space Quick Sock Pipe 50) 2060 90 40 · 8010 20 30 (5) 30 60 904080 102070 30 20 90 40 80 · 10 80 70 30 20 10 40 80 9060 70 j-1: (40302010) (50) (8090607 do Sintilla Miller Mandelle State (M. 1862) Shop (Ace) Best case) World (osc 2)

Maye Soit 01934567 A 1813171419 38 47 29 56 234 56789 Soid Merge Soit (int MC], int h) thet Pgi, l, mid, h; e (pz 2; P < h; p = p * 2) [120; 1+p-12h]; == 1+p Melge (Ag e, mid., L); if((P1272h) melge (A, O, P/2, h-1

((K++)= A((1++)); Yord merge (int ACI, int) int mid, int &)

E int bClool, je mid+1, K=2;

while (i & mid & & j & L)

AS if (ACi) CACj)

B [K++] = ACi++); \$ B[K++)=A[j++)j foil (); i < mid; i++). B[K++)=A[]; fol 1; j & h; j++)

B[K++] = AC;]; for lize i i = fordit