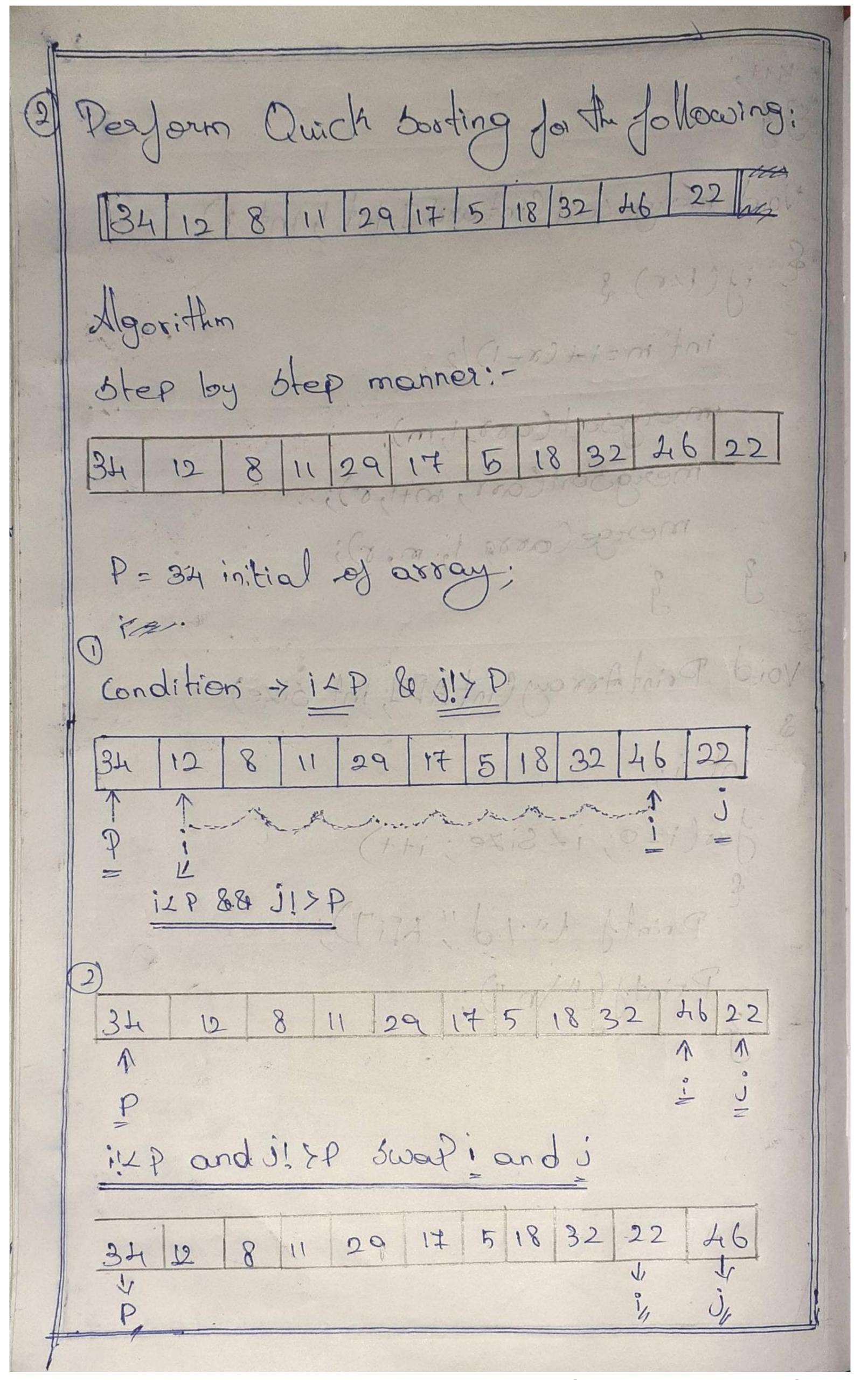
NAME: G.Nithish Reg No: 19BC50012 Cowide: DATA 5TRUCTURE Problem Jolving - 2 Channage. Source Code: #include &conio.h # include < std io.h> # include 1 stallib.h> Void morge lint arrII, int 1, int m, int r); Moid merge boxt (int a or [], int 1, int r); int main() int n, i, arr-size; Print! ("InInIt Enter the size of array:"); \$ canf ("% d' &n); int aroln];

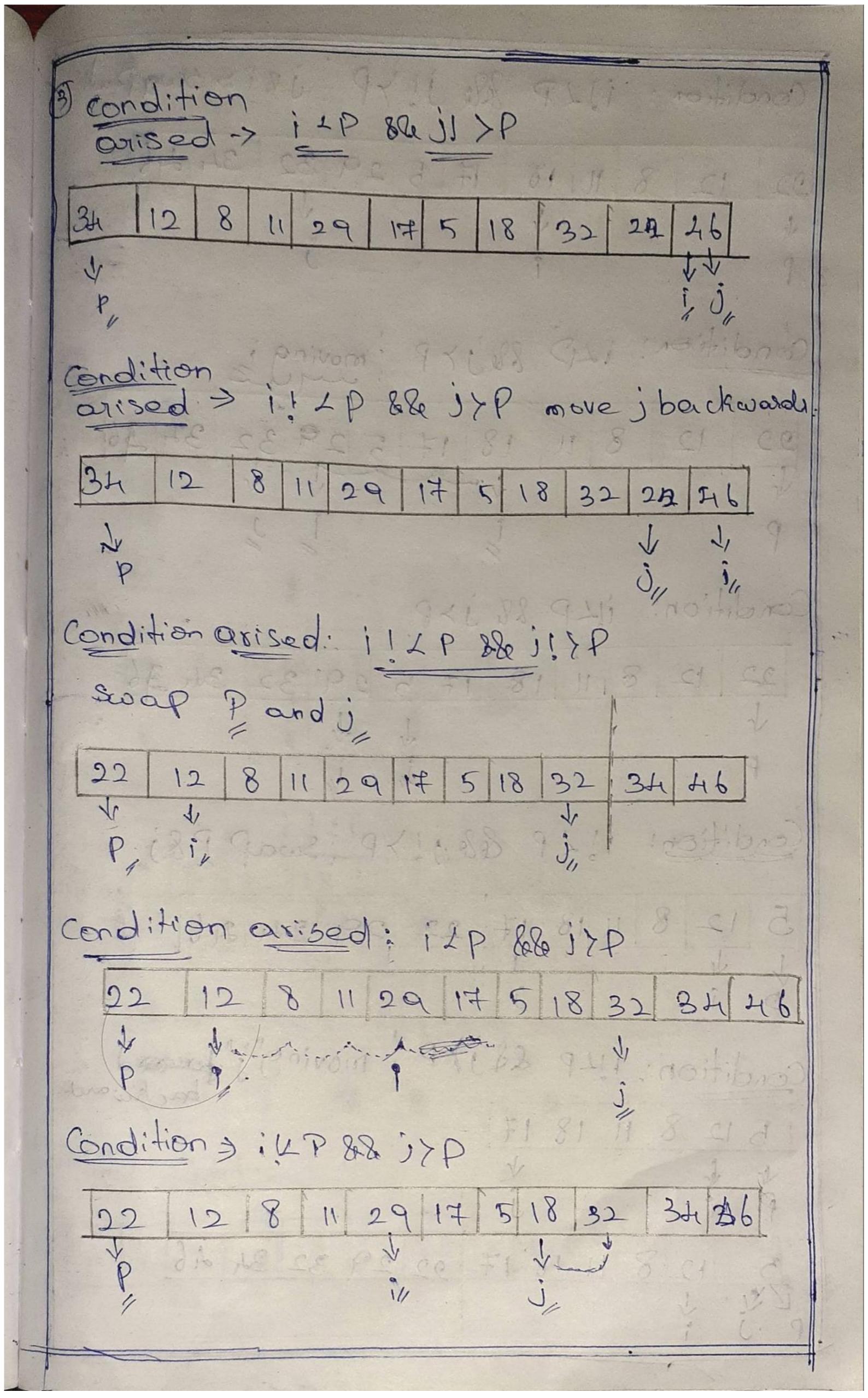
dor (i=0; izn; i++) Printf("In It enter the 1.d element of array" 5canf ("1.6", & arr [1]); arr_bize = bizeofcarr)/bizeofcarr[0]); Printf ("Given arrowy is In"); merge sort (arr, 0, aussize-1); Print/("Indoited ourgy is (n"); Print Array (onn, arr Dize); getches; retwino; World merge (int assEJ, int 1, int m, ints) int i,j, Ki; int n = m - 1+t; 10+ n2 = 8-m; g (d) 3/1/6 int L[n], R[n2];

(1) (1) 10x(i=0; i/h,; i++) ([i+1] = 088 = [i] +1] Jos (j=0; j2n2; j++) R[i] = arr[m+1+i]; (Not 6) 140000 00000 11/4012 U=0; : (1-00) food open K=1; ("" A) OF BORRO 69+1060/") Frist While (izn. 88 2 jzn2) Eight CITIZE = XCIII) fi g arrerj=leij; : (3/5/spq i++; :Onwiter elseg Contraction = REIJ: 1000 mospen biol 144 int is this 11+1-00 = 10 101 Kitt; 3 in-6-50 401 Fulhile (; Lhi) & · Lenja, And fai arr[K] = LEi]; 144:

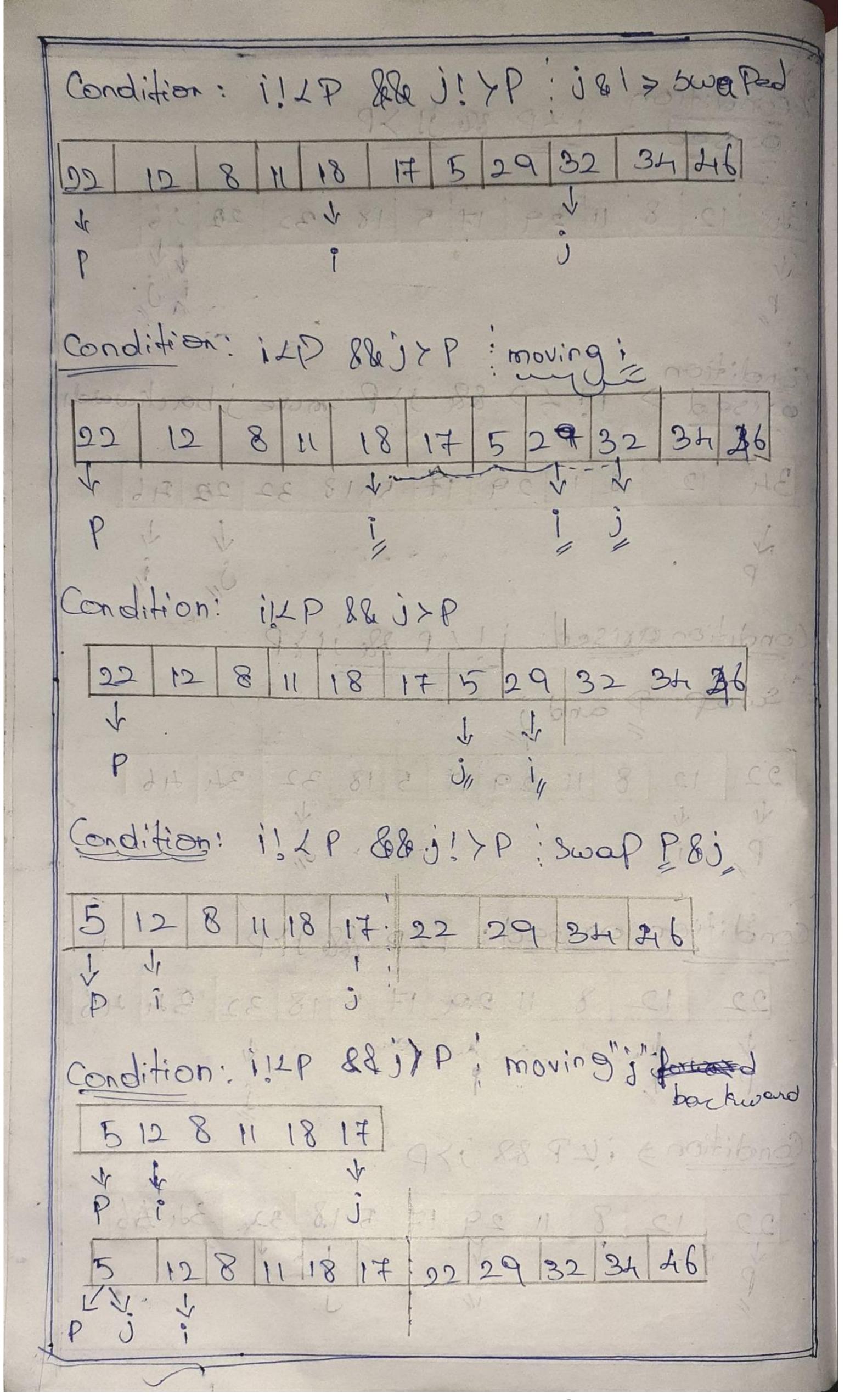
K++; Void mergebort (intaxof I, int 1, int r) ig (125) & int m=1+(r-0/2; mergsort (arr.1, m); mengsont (arr, m+1, r); merge (0, 00, 5); Void Print Arrow (int AFT; int Size) & intii; Jos (i=0; i 1 Size; i++) Print d." (CT) ; AFing Print ("\n"); Long Hands Hall bons I sa



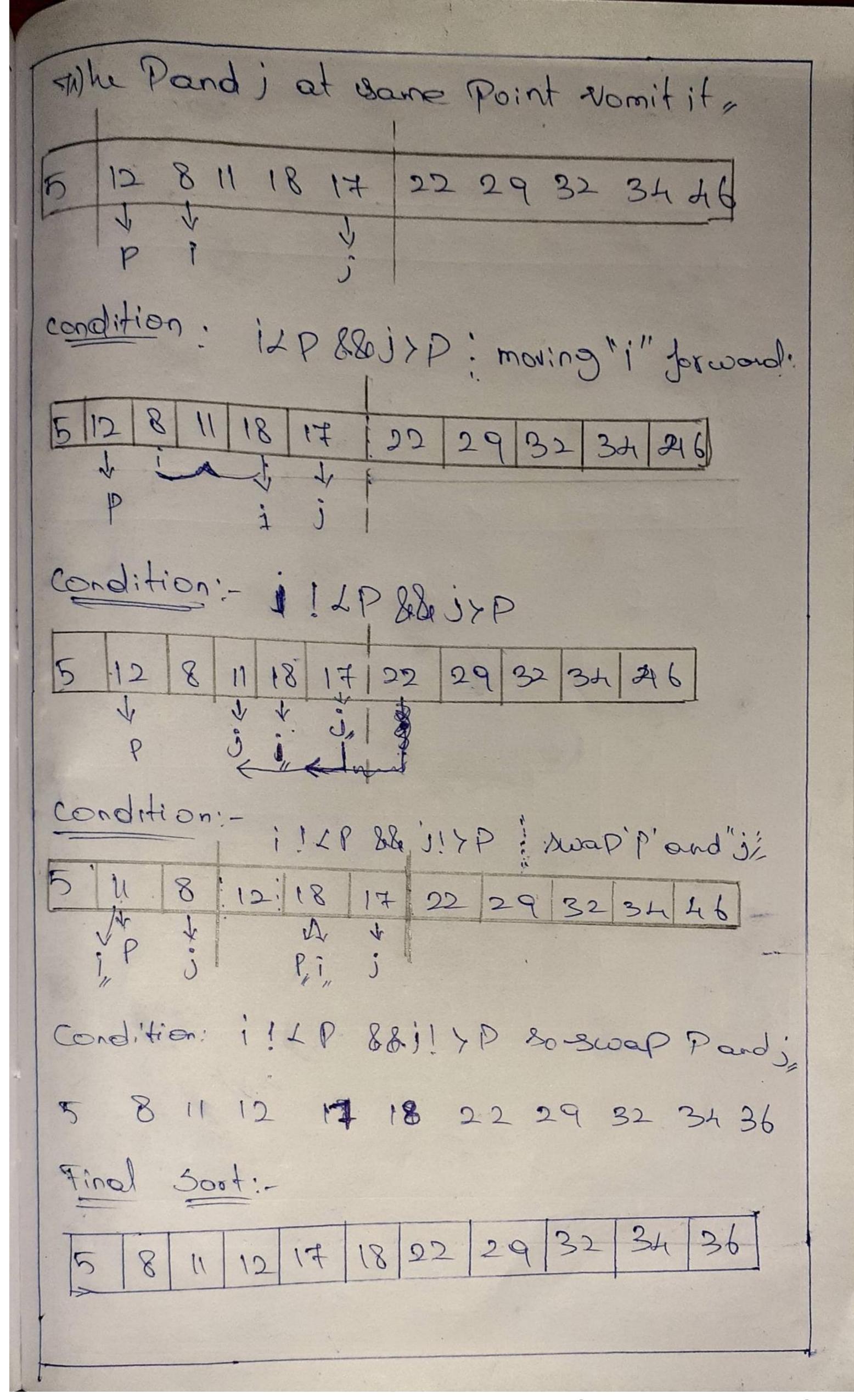
Scanned by TapScanner



Scanned by TapScanner



Scanned by TapScanner



Scanned by TapScanner