SIA 2005/07/ Rall no - 2023 023 Akki maan Practical -OS #include (Stdio. h) int absolute Value (Intl: Void main () int queve [25], n, head fasition, i,i,k, seek = 0, max ange, difference, temp, queve 1 [20], queve 2 [20], temp ==0, temp2=0; float average See & Time; fint f ("Enter the maximum rango of Pisk!"); Scan + ("Y.d", l marrange); Paint & (Enter the number of grove requests: "); Scan f("Y.d", &n); Paint & ("Enter the initial head Position: "); Scanf ("xd", & headfosition); Rinty ("Finter the initial head Positions to Be Beady (queve): "); Sam AC" tot", for (i=1; 1 <=n; 1++). Sound (" 1 d", & temp); ilstemp) headposition) queud[temp1] = temp; temps ++ else queue 2 [temp 2] = temp; temp2++;

y (queve 1 (i3> queve 1 (i)) temp = queue 1[i]; queve 10] = queve 160]; greve fo] = temp; if (queue 2 CiTX queve 2 CiJ) temp =queve 2[i]; queve 2[1] = queve2[1]; quere2[J=temP; Jon (i=1, i=0; i (temp 1;)++, i++) queve[i]=qvevel[i]; queue [i] = marrangez

Jan (i= temp 1+2, j=0; j < temp 2; i++, j++) queve [i] = queve 2 [i]; queve [i] =0; que ve [a] = head Position; for (j=0; j(= n; j+t) différence = absolute Value (que que [i+1]-queve [i) Soek = Seek + difference; Printflesk head moves from Position 1.d to 1d with Seek 1.d \n", queve [i], que ve (i+1), difference); Seek = Seek + difference;
Print of ("Pisk head moves from Position to de to the with Seck 1. d \n", quevelos, queve lotts, difference); average Seek Time = Seek/ (float) n; Print & (" Total Seek Time = 1. dln", Seek); hintof ("Average Seen Time = 1. 1 /n", average Seek) in+absolute Valle (in+ 2)

Plse return 2x -13