Lab 3: - Working of Ruene including insert real, delate front and display operation #include - stdio-h > ## include < process h> # define QUE_SIZE 3 int item, front=0, rear = -1, 9, [10]; roid (Insertrear() if (near = = QUE_SIZE-1) printf ("Queue overflow \n"); return; reas = reas + 1; 9 [reas] = item; int deletefront () if (front > rear) front=0; rear = -1; return -1; return q[front++); roid display () int i; if (front > rear) ? print (" Queue is empty \n"); return; print ("Contents of queue \n"); for (c = front; c <= sear; c++) 2 print ("%d\n", g[i]);

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raid main ()
  int choice;
   for (;;)
    printf ("In1". Insert rear In 2: deletefront In 3: display In
      4: exit (n");
    print ("Enter the choice \n");
     scary (" of d", & choice);
    surtch (choice)
    case 1: printf ("Enter the item to be inserted In");
              searf ("%d", & "item);
              insertrear ();
              break;
      case 2: "item = deletefront ();
               if (item == -1)
                print ("Queue is empty In");
                printf (" Item deleted = "/od In", item); break;
       case 3° display (1);
               break;
       default: (xit (0);
 → Tower of Hanoi
 void towers ("int n, char suc, char temp, char dest)
# include 2stdio.h>
   3 printf ("More disk I from % c to %c", src, dest);
  1 if (n==1)
    3 return;
   towers (n-1, src, dest, temp);
    printf ("In More disk %d from %c to %c In", n, src. dest);
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Lowers (n-1, temp, src, dest); soid main () print ("Enter the number of disks \n"); 'scarf ("%.d", ln); towers (n, 's', 'T', 'D');