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#include <stdio.h>
#include<stdlib.h>
#define maxsize 5
int queue[maxsize];
int front=-1,rear=-1;
void insert();
void delete();
void display();
void search();
int main()
   int choice=0;
   printf("************WELCOME TO QUEUE OUR OPRATION*********\n");
   while(choice!=5)
     printf("\n1.Insert\n2.Delete\n3.Display\n4.Search\n5.Exit");
printf("\nenter your choice for queue opration\n");
scanf("%d",&choice);
switch(choice)
       case 1:
insert();
break;
case 2:
delete(),
break;
         case 3:
          case 4:
             search();
break;
          case 5:
             printf("Exiting.....\n");
             printf("wrong choice Enter correct choice\n");
 void insert()
    int item;
       if(rear==maxsize-1)
       printf("Overflow queue u may not enter element in Queue\n");
     printf("Enter element in queue\n");
scanf("%d",&item);
if(front==-1||rear==-1)
         front=0;
rear=0;
          rear=rear+1;
    queue[rear]=item;
printf("\n%d value inserted in queue\n",queue[rear]);
 void delete()
  int item;
if(front==-1||front>rear)
      printf(" Underflow queue it may not delete any element\n");
      item=queue[front];
if(front==rear)
         front=-1;
        printf("\n%d value is deleted from queue\n",item);
         front=front+1;
printf("\n%d value is deleted from queue\n",item);
 void display()
   int i;
if(front==-1||rear==-1)
      printf("Empty Queue\n");
      for(i=front;i<=rear;i++)
         printf(" | %d ",queue[i]);
       printf("|\n");
 void search()
   int item,i,flag;
printf("Enter element to search from Queue\n");
scanf("%d",&item);
if(front==-1||rear==-1)
      printf("Empty Queue\n");
    for(i=front;i<=rear;i++)
       if(queue[i]==item)
          flag=i+1;
break;
         flag=0;
       if(flag!=0)
          printf("Item found at %d location in Queue\n",flag-1);
         printf("Element not found\n");
```

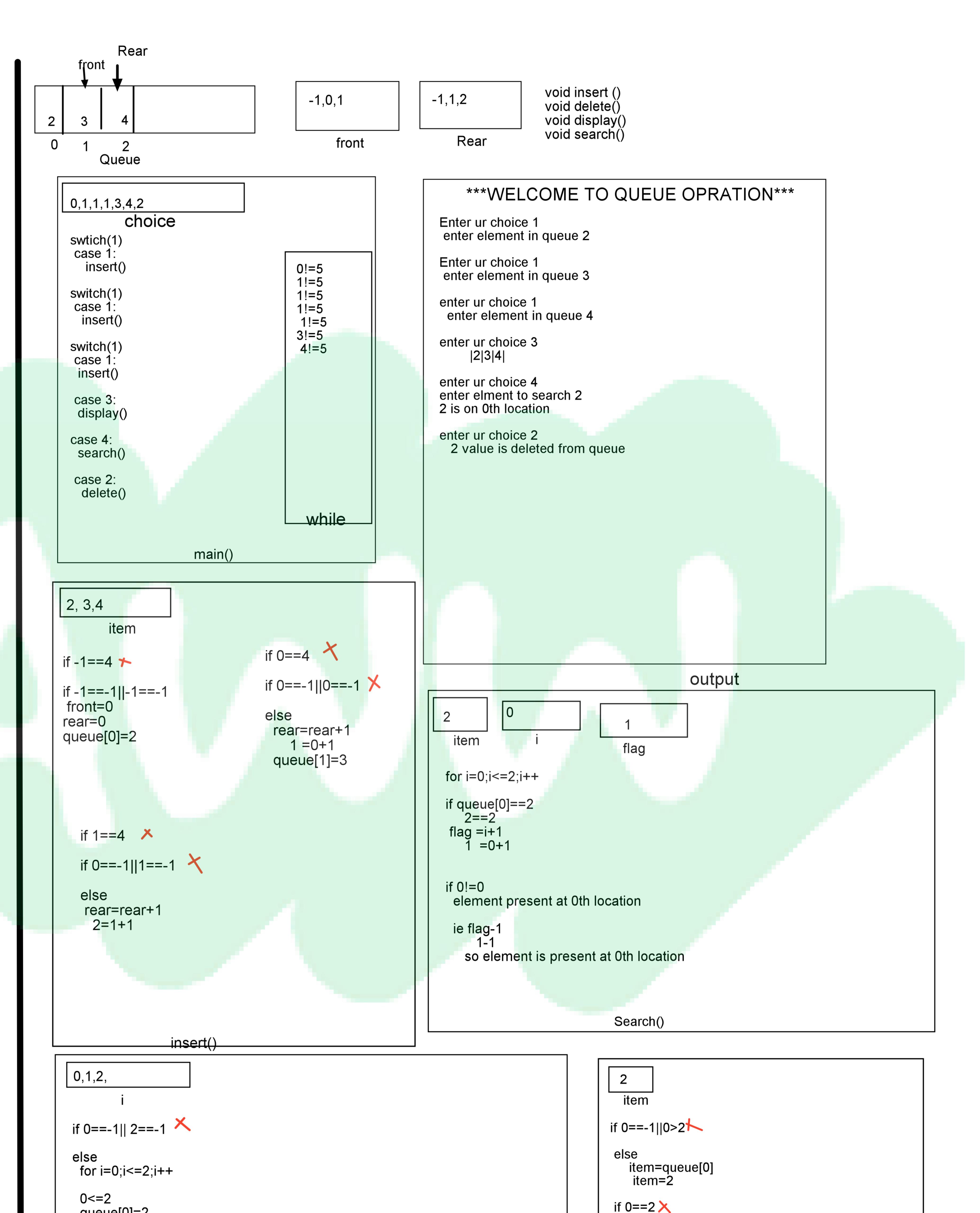
queue[0]=2

queue[1]=3

queue[2]=4

1<=2

2<=2



else

front=front+1

=0+1