

```

#include<stdio.h>
#include<stdlib.h>
struct arrcqueue
{
    int *a;
    int f,r;
    int m;
    int n;
};
typedef struct arrcqueue *cqueue;
typedef int position;
typedef int element;

cqueue makenullcqueue(int);

position frontpos(cqueue);
position rearpos(cqueue);
position nextpos(cqueue,position);

void enqueue(cqueue,element);
element dequeue(cqueue);
void printqueue(cqueue);

void printoptions();
int getoption();

int isempty(cqueue);
int isfull(cqueue);

```