

```
ent main ()
        int n=5;
        enqueue (10);
        enqueue (20);
         enqueue (30)
         inqueue (300
   for (i=0; icn; i++)
        { push ( queue [ front ]);
           dequeue ();
     while ()
       e er queue ( stack . top ) 3.
         pop ();
        for (i=0; ic 100-n; i++)
           { enqueue (queue [front]);
                 dequeux ();
            where (rear ] = 0-1)
                I print ("Y.d", queue efront));
                    queue : pop ();
5. # include (stail). h)
      nt max = 50;
      int queue [50];
int rear = -1, front-1;
        void enqueue (item)
          d & (rear = = maz -1)
             [ print (" queue orverflow");
            else h (font = = -1)
                € front = 0
                    queue [rear] = item;
                    . 3 3
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void dequeue ()
 { if (front = = -1 | front > rear) printf ("ERROR");
   else f. return queue (front) }
        front ++
    int main () (
         onqueue (1);
         enqueve (2);
          enquere (3);
          enqueue (4);
          enqueue (5);
          ints = rear;
       por (i=0; ics; i++)
            ( for (i=0; i c rear; i++)
            ( z = dequeue);
                 enquire (x);
                  2 = queue (front);
              new enqueue (front) (1);
              deque ;
              where ( new - rear ! = -1)
              & dequeve; }
    intervene (int queue [4])
      ist stack s [4]
      int hs = q. size ()/2; i,
      for (i=0; iche; i+t)
       { s. push ( q. front () );
           queue . pop ();
```

```
while (I to empty ())
     Course q. papaque (s. top ());
             5. pap ();
   for (i=0; i < hs; i+t)
      Queue . q. enqueue (q. front ());
       Queue q. pop ();
    for (i=0; ichs; i++);
       ( s. push (q. front()))
         Queue q.pop ();
      while (! to empty ())
        & Queue q. push (s. top ());
s. pop ();
           Queve q. push (q. front());
            Queue q. pop ();
             & printf ("1.d", avene a front ())
                       Queue q. pop ();
    int main ()
                      a [4] enqueue (4)
         & oit queue
                          overe q-enquere (3);
           istervene (Q);
                                    enqueve (2);
                                     enqueue (1);
# include astdio. h)
 struct petrol pump
 int print (struct petrol punp as []; int n)
       d int i=0; e=1, cp;
       ep = arr [r] . petrol .arr [i].d;
       ushile (e! = 5 1/40 (0)
        d while (cpcoff r!=e)
         h cp = cp - arr ci'). petrol arr [s). distance
```

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x = (x+1) / n ;

if (x = = 0)
           cp + = ar [e]. petrol - arr [e]. distance;
              e= (e+1) 1.n
             y return r;
int main ().
 struct petrol pump arr [ ]
    = { 54,83, {6,5 }, { 7, 3 }, {4,5 } }
     int m = (4/2)

ont start = pt (arr, n);

if (start = = -1)

i print f ("No solution");
        "else ("start = 1. d", start);
```