```
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  Bsc It - 2(A)
Ques!
     # include < stdio. h>
    # include < ctype . h>
     # include < linits h>
    # include < moth. h>
    # include < & to boot. h>
    # include < Stadef. h>
    # include < stdin .h>
     # include < stalib. h>
     # include < storing .h>
     chor * readline ();
     char * Ltrim (char *);
     char* retrin (char*);
     int pouse - int (shor*);
     int main()
      File * ptor= bopen(getenv("Output-PATH"),"");
   4
      int n=pause-int (boin (retrin (readline ())));
      int ** ustomers = malloc (n* size of (int *));
      for (int i=0; i< n; i++)
    ( customers + = i) = molloc (2 (2ize of (int)));
      char * * customers - item - temp = split - string
       ( rtrium/greadline ())))
       bor (int j=0; j<2; j++)
```

```
q int customers _ item = pouse _ int (* ( customers _ item
  temp + j ));
(( austomers + + i) + j) = austomers - item; b)
  int redult = minimum suerage (n, 2, customers);
  sprints (bptor, "/.d/n", result);
   belose (fpter);
   notures 0;
 3
   char * readline () {
   Dize-+ alloe-length=1024;
   size - + data largth = 0;
   char * data = malloc (alloc - length);
   while (true)
   char* xursor = data + data - length;
   char* line=fgets ( cursor, alloc_largth-data_largth,
   stdin);
    if (! line)
   ( break; &
   alloc-length <<=1;
   data = rellac (data, alloc - length);
    16 (! data) §
    dotta = '10';
    break;
```

```
16 (data (data - length - 1] = = '\n') {
  data [data _ length - 1] = 10; 23
  else
data = realloc (data, data - length +1);
 4 (! data)
{ data = 10;
} else {
 data (data - longth) = '10';
3
  noturn data;
3
  char* 1 trim ( char* str)
& if (! str) of
   return' 10';
   14 (! str) &
   nothern str;
 6
    while (*str! = (10) & & inspace (*str)) of
    Str++;
    roturn str;
  b
     )(ret& "rate I mirtie track
    ib (! 2491){
     rotuen' 10';
```

```
chost end = Stor + Storlen (Stor) -1:
while (end) = str & & inspace (*end)) {
end _ _ ; 6
*(end+1)= '10';
  roturn str;
   char * * split - String ( char * str)
 E char * * * Splits = NULL;
   char * token = strtok (str, "").
   into space = 0;
   while (token) of
   splits = relloc (splits, size of (shor*)*++ spaces);
    ٤ ( « للناطِد ! ) إن
    return splits;
  3
    splits[spaces -1] = token;
     token= statok (NULL," ");
     return splits;
      int pouse -int (whor * str) {
     what # and bett ;
     int value = Strkel (str, & end ptr, 10):
      ib ( and ptr = = ster! "end ptr! = "(o))
    { exit (EXIT_FAILURE); }
      return value;
                                      Rachok
    b
```