

9-11

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XX – «XX» «01»
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 – 100.
 inputXX.txt, outputXX.txt,

(XX)	á			
	(15)	(25)	(25)	(35)
01	1	1	1	1
02	3	6	6	8
03	3	6	6	8
04	4	6	6	9
05	4	6	6	9

9-11

1.

15

```
(      old_h)      (      h).
prf -      .      ,
integer.
-      :
var
  f: text;
  prf,t,n,h,old_h,i: longint;
begin
  assign(f,'input.txt'); reset(f); read(f,n);
  prf:=0; t:=0;
  read(f,old_h);
  t:=old_h;
  for i:=1 to n do begin
    read(f,h);
    if h>old_h then t:=t+h
    else begin
      if t>prf then prf:=t;
      t:=h;
    end;
    old_h:=h;
  end;
  if t>prf then prf:=t;
  close(f);
  assign(f,'output.txt'); rewrite(f); write(f,prf); close(f);
end.
```

2.

25

```
-      :
var
  s,s1: string;
  c: char;
  max,k: integer;
  f_in,f_out: text;
begin
  max:=0;
  //
  assign(f_in,'input01.txt');
  reset(f_in);
  readln(f_in,s);
  readln(f_in,s1);
  close(f_in);
  //
  while pos(s1,s)>1 do begin
    c:=s[1];
    delete(s,1,1);
    s:=s+c;
  end;
  repeat
    delete(s,1,length(s1)); //
    k:=pos(s1,s)-1;
    //
    delete(s,1,k); //
```



```

readln(f_in,kh,kw);
writeln(kh,kw:5);
for i:=1 to kh do begin
  for j:=1 to kw do begin
    read(f_in,key[i,j]);
    if key[i,j]=' ' then key[i,j]:='0';
  end;
  readln(f_in);
end;

close(f_in);

k:=0;
while str0 do begin delstr; inc(k); end;
while st0 do delst;

if sw>kw then w:=sw else w:=kw;
if sh<kh then h:=sh else h:=kh;

top:=0;
open:=true;
for i:=1 to h do
  for j:=1 to w do
    if (key[i,j]='1') and (shema[i,j]<>'1') or
       (key[i,j]<>'1') and (shema[i,j]='1') then begin
      open:=false;
      if top=0 then top:=i;
    end;
  assign(f_out,'output.txt');
  rewrite(f_out);

  if open then begin writeln (f_out,'YES'); writeln(f_out,k+1);end
  else begin writeln(f_out,'NO'); writeln (f_out,top+k); end;
  close(f_out);
end.

```

4.

35

```

var n: integer;
    a: array [,] of byte; //
    x0,y0,max: integer;

```

```

procedure Init;
  var fin: text;
      x_,y_: integer;
begin
  Assign(fin,'input.txt'); reset(fin);
  read(fin,n); a := new byte[n,n];
  for y_ := 0 to n-1 do
    for x_ := 0 to n-1 do begin
      read(fin,a[x_,y_]);
      //
      if a[x_,y_] = 2 then begin x0 := x_; y0 := y_; a[x_,y_] := 0; end;
    end;
  Close(fin);
end;

```

```

procedure Move(x,y,p: byte);
  var xn,yn: integer;

```

```

begin
  if a[x,y]=0 then begin //
    inc(p); //
    if (x>1)and(y>1)then // (3 - )
      if (a[x-2,y-2]=0)and(a[x-1,y-1]=1) then //
        begin a[x-1,y-1] := 3; Move(x-2,y-2,p); a[x-1,y-1] := 1; end;
    if (x<n-2)and(y>1)then // (3 - )
      if (a[x+2,y-2]=0)and(a[x+1,y-1]=1) then //
        begin a[x+1,y-1] := 3; Move(x+2,y-2,p); a[x+1,y-1] := 1;end;
    if (x>1)and(y<n-2)then // (3 - )
      if (a[x-2,y+2]=0)and(a[x-1,y+1]=1) then //
        begin a[x-1,y+1] := 3; Move(x-2,y+2,p); a[x-1,y+1] := 1; end;
    if (x<n-2)and(y<n-2)then // (3 - )
      if (a[x+2,y+2]=0)and(a[x+1,y+1]=1) then //
        begin a[x+1,y+1] := 3; Move(x+2,y+2,p); a[x+1,y+1] := 1; end;
    if p>max then max := p; //
    dec(p);
  end;
end;
//
BEGIN
  Init; //
  max := 0;
  Move(x0,y0,max); // ( )
  writeln('MAX=',max-1);
// ( )
END.

```