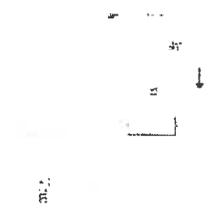


PROBLEMA 1

Se da circuitul din figura.
 Se cere sa se determine marimile: V_{R1}, V_{R2}, I_1, I_2
 in functie de marimile: V_{CC}, V_{sat}, I_g

Rabati folosite: $V_{sat} = V_{CC} \cdot R_2 / (R_1 + R_2)$
 $R_1 / R_2 = V_{R1} / V_{R2}$; $V_{R1} = V_{CC} \cdot V_{sat}$; $V_{R2} = V_{sat}$

DATE	REZULTATE
$V_{CC} = 15$ V	$V_{R1} =$ V
$V_{sat} = 3$ V	$V_{R2} =$ V
$I_g = 1$ mA	$I_1 =$ mA
	$I_2 =$ mA



dupa rulare

P1 - Mozilla Firefox
 Editare - Modificare - Inlocuieste - Semne de carte - Linie - Ajutor

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DATE	REZULTATE
$V_{CC} = 15$ V	$V_{R1} = 5$ V
$V_{sat} = 3$ V	$V_{R2} = 3$ V
$I_g = 1$ mA	$I_1 = 7$ mA
	$I_2 = 14$ mA

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Fie circuitul simplu din figura de mai jos cunoscand valorile E, r si R sa se calculeze Isc, U, I.

Circuit simplu - Hozzika Firefox

Bar Estere Youtube Jucari Sime de carte Urele Aluar

<http://C:/Documents and Settings/hozzika/Desktop/27.htm>

Cele mai vizitate: Prin pag cu Firefox Unimate 181/1 Customer Lists Free HTML My Yahoo! Windows 7/8/8.1/8.1/8.1 Windows Media Windows Windows 7/8/8.1/8.1/8.1

PROBLEMA 2

Se da circuitul din figura.

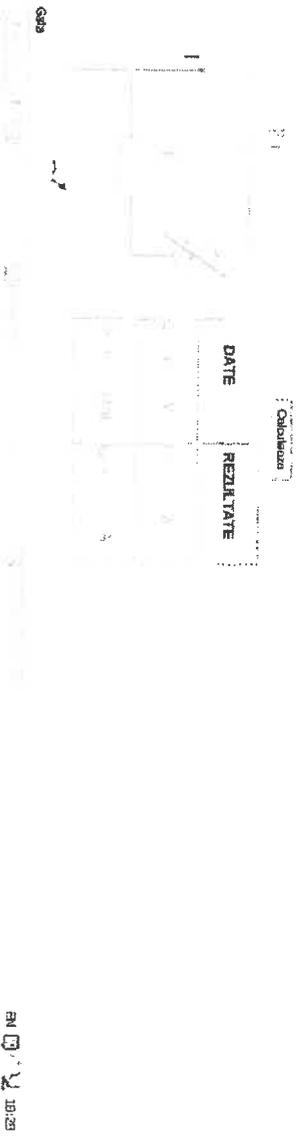
Se cere sa se determine marimile: I_x, I, U

In functie de marimile: E, R, r

Relatii folosite: $I = E/(R+r)$

$$I_x = E/r$$

$$U = R \cdot I$$



Dupa apasarea butonului calculeaza

Circuit simplu - Hozzika Firefox

Bar Estere Youtube Jucari Sime de carte Urele Aluar

PROBLEMA 2

Se da circuitul din figura.

Se cere sa se determine marimile: I_x, I, U

In functie de marimile: E, R, r

Relatii folosite: $I = E/(R+r)$

$$I_x = E/r$$

$$U = R \cdot I$$



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```
<html>
<head>
<title>Program 1</title>
<script type="text/javascript">
<!--
function calcul()
{
var vcc,r1,r2,raport,vr1,vr2,ig;
vcc =parseFloat(VCC.value);
vout =parseFloat(Vout.value);
ig =parseFloat(ig.value);
r1=parseFloat(R12.value);
r2=parseFloat(R22.value);
vr2=parseFloat(VCC2.value);
if (vr2>vcc)
{
alert("Tensiunea A trebuie sa fie mai mica decat Vcc");
return false;
}
vr2 = vout;
vr1 = vcc-vout;
if (ig>vcc*1000){
alert("Ig trebuie sa fie mai mic decat '+vcc+'A");
return false;
}
r2 = vout/ig;
r1 = (vcc-vout)/ig;
R1.value=r1;
R12.value=r1;
R2.value=r2;
R22.value=r2;
VCC.value=vcc;
VCC2.value=vcc;
VR2.value=vr2;
VR1.value=vr1;
}
//-->
</script>
<meta name="Microsoft Theme" content="leaves 011">
</head>
<body>
<form method="POST" action="._WEBBOT-SELF-" background="tebkgn1.jpg"
bgcolor="#FFFFFF" text="#000000" link="#CC0000" vlink="#CC6633" alink="#660000">
<!--mshtml:--><font face=" Arial, Arial, Helvetica">
&nbsp;  &nbsp;  <input type="Button" VALUE="Click Me"
onclick="window.alert('You Clicked me');">
<!--mshtml:--><font face=" Arial, Arial, Helvetica"> V<sub>CC2</sub>&nbsp;  </sub>&nbsp;  =
```



```

<tr>
  <td width="215" height="20"><!--mstheme--><font face="Arial, Arial, Helvetica"> E&nbsp;=&nbsp;
    <input type="text" name="E" size="4" value="12" style="background-color:#FFCCCC">
    V<!--mstheme--></font>
  </td>
  <td width="161" height="20"><!--mstheme--><font face="Arial, Arial, Helvetica"> I&nbsp;=&nbsp;
    <input type="text" name="I" size="4" value="" style="background-color: #8DC9EF"> A&nbsp;=&nbsp;
    <!--mstheme--></font>
  </td>
  <tr>
    <td width="215" height="6"><!--mstheme--><font face="Arial, Arial, Helvetica"> r&nbsp;=&nbsp;
      <input type="text" name="r" size="4" value="1" style="background-color: #FFCCCC"> ohm&nbsp;=&nbsp;
      <!--mstheme--></font>
    </td>
    <td width="161" height="6"><!--mstheme--><font face="Arial, Arial, Helvetica"> I<sub>sc</sub>&nbsp;=&nbsp;
      <input type="text" name="Isc" size="4" value="" style="background-color: #8DC9EF"> A<!--mstheme--></font>
    </td>
  </tr>
  <tr>
    <td width="215" height="6"><!--mstheme--><font face="Arial, Arial, Helvetica"> R&nbsp;=&nbsp;
      <input type="text" name="RR" size="4" value="5" style="background-color: #FFCCCC"> ohm&nbsp;=&nbsp;
      <!--mstheme--></font>
    </td>
    <td width="161" height="6"><!--mstheme--><font face="Arial, Arial, Helvetica"> U&nbsp;=&nbsp;
      <input type="text" name="U" size="4" value="" style="background-color: #8DC9EF"> V<!--mstheme--></font>
    </td>
  </tr>
</table>
<!--mstheme--><font face="Arial, Arial, Helvetica"> </center> &nbsp;=&nbsp;
<p>
<br><font size="4">Se da circuitul din figura.</font><br><font size="3" face="Arial"><b>Se cere sa se determine marimile:</b></font><font size="4" face="Comic Sans MS">&nbsp;=&nbsp;
<font>&nbsp;=&nbsp;
</p>

```