

	UNIVERSIDADE FEDERAL DA PARAÍBA	
	CENTRO DE INFORMÁTICA	
	DEPARTAMENTO DE COMPUTAÇÃO CIENTÍFICA	
	Disciplina	Introdução à Programação
	Professor	Bruno Jefferson de Sousa Pessoa

## Lista de Exercícios 01

Para cada programa a seguir, monte a tabela de acompanhamento, exibindo o valor das variáveis após a execução de cada instrução.

<p><b><u>Programa 01</u></b></p> <pre>a = 5 b = 2 if (a + b &lt; 10):     c = a - b else:     c = a + b a = c * b print (b - 3)</pre>	<p><b><u>Programa 02</u></b></p> <pre>a = 1 b = 0 if (a &gt; 0):     b = a + b     c = b + b     a = a + b + c else:     b = 2 * a print (a + 3)</pre>	<p><b><u>Programa 03</u></b></p> <pre>a = 2 b = 7 if (a + b &gt; 10):     c = a + 1     b = c + 1 else:     c = a - 1     b = c - 1 a = b - 1</pre>	<p><b><u>Programa 04</u></b></p> <pre>a = 8 b = a + 3 c = b - 1 if (c &gt; 4):     a = a + c else:     a = a + b b = (2 * c) - a c = a - c a = c / b</pre>	<p><b><u>Programa 05</u></b></p> <pre>b = 5/2 + 6/4 a = 3 + b if (a &gt; 7):     c = a + c     print(b - a) elif (a == 7):     c = a - b     print(2*c + 1) else:     a = a + b</pre>																																																																																							
<p><b><u>Programa 06</u></b></p> <pre>a = - 5 b = 9 if (a + b == 3):     c = a + 7     d = b - 4 else:     c = a + 2     d = b - 10 a = -2 * a b = - b / c c = c + 4 d = d + c</pre>	<p><b><u>Programa 07</u></b></p> <pre>a = 3 b = 2 c = 4 if (a+b+c &lt; 7):     b = c + 5     c = a + 8     a = (a*c) + b else:     b = 5 * c     c = a + b - 8     a = (2*a) - 1 b = b - (a + c) c = c - (a + b)</pre>	<p><b><u>Programa 08</u></b></p> <pre>a = 6 b = 1 if (a &gt; 0):     if (b &gt; 0):         c = a + b     else:         c = a - b elif (b &lt; 5):     c = a * b else:     c = a / b</pre>	<p><b><u>Programa 09</u></b></p> <pre>a = 1 b = 3 if (a &gt; 0):     if (b &gt; 0):         c = (a+b)*2     else:         c = 0 else:     b = 2 if (c &gt; 0):     a = 2 else:     b = 4</pre>	<p><b><u>Programa 10</u></b></p> <pre>c = 4 b = c * 5/2 a = c * b - b if (b &gt; a) :     if (c &gt; b) :         d = a * 2     elif (a &gt; c):         d = 29-a+b     elif (a &gt; b+c):         d = (b - c)/3     print(a + d) else:     d = c - 9 + a a = a - (b+c+d)</pre>																																																																																							
<p><b><u>Programa 11</u></b></p> <pre>d = 6**2 - 8 if (d &gt; 20):     if (d &lt; 25):         a = d / 3         print(a + d)     elif (d &gt; 28):         a = d*5 + 1         print(a - d)     elif (d &lt; 22):         b = d + 1         print(b - 3)     else:         b = d / 7         print(b**2) a = d - b</pre>	<p><b><u>Programa 12</u></b></p> <pre>c = 7 + 5*1.2 b = c - 4 if (b &gt; 9):     if (c == 10):         a = b + 3     elif (b == 6):         a = c*3         print(a - c)     elif (c &gt;=13):         a = b + 1     else:         a = c / 7         print(a**b) if (a &lt; b):     a = c - b c = c - a</pre>	<p><b><u>Programa 13</u></b></p> <pre>b = 5 if (b &gt; 7):     a = b + 4     c = a * 2 a = (b - 2) ** 3 if (a &lt; 15):     d = c - a     print (a) elif (a &gt; 29):     if (b &gt; 8):         d = b+c-1     elif (b &lt; 6):         d = a * c else:     a = a + 2 * b</pre>	<p><b><u>Respostas</u></b></p> <table><tr><td></td><td>a</td><td>b</td><td>c</td><td>d</td><td>tela</td></tr><tr><td>Programa 01</td><td>6</td><td>2</td><td>3</td><td></td><td>-1</td></tr><tr><td>Programa 02</td><td>4</td><td>1</td><td>2</td><td></td><td>7</td></tr><tr><td>Programa 03</td><td>-1</td><td>0</td><td>1</td><td></td><td></td></tr><tr><td>Programa 04</td><td>4</td><td>2</td><td>8</td><td></td><td></td></tr><tr><td>Programa 05</td><td>7</td><td>4</td><td>3</td><td></td><td>7</td></tr><tr><td>Programa 06</td><td>10</td><td>3</td><td>1</td><td>0</td><td></td></tr><tr><td>Programa 07</td><td>5</td><td>0</td><td>10</td><td></td><td></td></tr><tr><td>Programa 08</td><td>6</td><td>1</td><td>7</td><td></td><td></td></tr><tr><td>Programa 09</td><td>2</td><td>3</td><td>8</td><td></td><td></td></tr><tr><td>Programa 10</td><td>14</td><td>10</td><td>4</td><td>2</td><td></td></tr><tr><td>Programa 11</td><td>24</td><td>4</td><td></td><td>28</td><td></td></tr><tr><td>Programa 12</td><td>10</td><td>9</td><td>3</td><td></td><td></td></tr><tr><td>Programa 13</td><td>37</td><td>5</td><td></td><td></td><td></td></tr></table>						a	b	c	d	tela	Programa 01	6	2	3		-1	Programa 02	4	1	2		7	Programa 03	-1	0	1			Programa 04	4	2	8			Programa 05	7	4	3		7	Programa 06	10	3	1	0		Programa 07	5	0	10			Programa 08	6	1	7			Programa 09	2	3	8			Programa 10	14	10	4	2		Programa 11	24	4		28		Programa 12	10	9	3			Programa 13	37	5			
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