

Curso Completo de Lógica de Programação usando C#

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Seção: Matrizes

Exercícios: testes de mesa com matrizes

Execute manualmente os testes de mesa a seguir, preenchendo o comportamento das variáveis (se alguma variável não for usada no teste de mesa, apenas ignore-a).

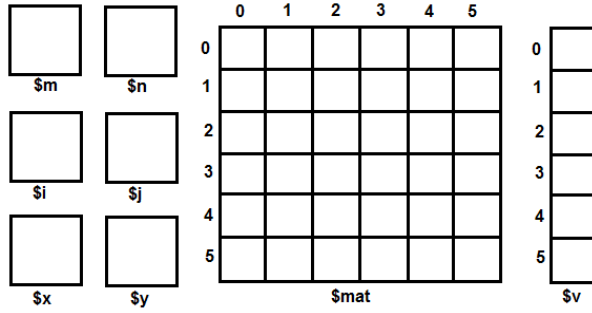
<pre>n = 3; for (i=0; i<n; i++) { for (j=0; j<n; j++) { mat[i][j] = 1 + i + j; } }</pre>	<pre>m = 2; n = 4; x = 0; for (i=0; i<m; i++) { x = x + i; for (j=0; j<n; j++) { x = x + j; mat[i][j] = x; } }</pre>
<div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div><div style="font-size: 0.8em;">\$m</div></div><div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div><div style="font-size: 0.8em;">\$n</div></div><div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div><div style="font-size: 0.8em;">\$i</div></div><div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div><div style="font-size: 0.8em;">\$j</div></div><div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;"></div><div style="font-size: 0.8em;">\$x</div></div><div style="text-align: center;"><div style="border: 1px solid black; width: 40px; height: 40px; 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<pre>m = 5; for (i=0; i<m; i++) { mat[3][i] = 10; } for (i=0; i<m; i++) { mat[i][4] = 10 * i; mat[i][i] = 50; }</pre>	<pre>n = 3; for (i=0; i<n; i++) { x = 0; for (j=0; j<n; j++) { mat[i][j] = i + j; x = x + mat[i][j]; } v[i] = x; }</pre>
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```

m = 5;
for (i=0; i<m; i++) {
    v[i] = 10 - i;
}
for (i=0; i<m; i++) {
    mat[i][i] = v[i] / 10;
}

```



```

n = 4;
for (i=0; i<n; i++) {
    for (j=0; j<i; j++) {
        mat[i][j] = (i + 1) * 10;
    }
}

```

