

```
% gda00_08
% example of element access
% supports Section I.4

a = [1, 2, 3]';
M = [ [1, 4, 7]', [2, 5, 8]', [3, 6, 9]'];

% 2nd element of vector a
s = a(2);
s
```

```
s = 2
```

```
% row=2 column=3 element of matrix M
t = M(2,3);
t
```

```
t = 6
```

```
% 2nd column of matrix M
b = M(:,2);
b
```

```
b =

     2
     5
     8
```

```
% 2nd row of matrix M, converted to column vector
c = M(2,:)';
c
```

```
c =

     4
     5
     6
```

```
% 2x2 sub-matrix in the bottom right of M
T = M(2:3,2:3);
T
```

```
T =

     5     6
     8     9
```