Comma Separated List (1A)

Please send corrections (or suggestions) to youngwlim@hotmail.com.

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Function Arguments

```
[x, y] = func(5, 1);
```

Input arguments

Output arguments

Comma separated lists

Arrays and Cell Arrays

```
x = [ 1, 2, 3, 4 ]
```

```
y = { 1, 2, 3, 4 }
```

Comma separated lists

Extracting Comma Separated List by [ ]

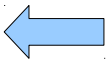
a= {1, [2, 3], 4, 5, 6 };

b = [a{1:4}]
⇒ b =
1
2
3
4
5

a{1:4}
⇒
ans = 1
ans =
2 3
ans = 4
ans = 5

extract comma separated list

can be concatenated by using [ ]



but it cannot be directly manipulated

Extracting Comma Separated List by { }

a= {1, [2, 3], 4, 5, 6 };

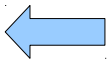
b = { a{ [2, 4] } }
⇒ b =
{
  [1,1] =
     2   3
  [1,2] = 5
}

a{ [2, 4] }
⇒
ans =
   2   3
ans = 5

~~a{ 2, 4 }~~

extract comma separated list

can be a cell array by using { }



but it cannot be directly manipulated

Cell elements passed to a function

```
octave:8> c = { "hello", "world"}
c =
{
  [1,1] = hello
  [1,2] = world
}
octave:9> c{:}
ans = hello
ans = world
octave:10> printf("%s", c{:})
Helloworld
octave:11>
```

References

[1] Octave Manual