```
>> 1 = 10
for k = 1:1
    a = [1; 1; 1; 1; 0; 0; 0; 0;]
    b = circshift(a, 3) + 0:1 * randn(8, 1)
    c = conv(a,b)
    stem(c)
    title('Plot of vector"c"')
    [max_val, ind] = max(c)
end
1 =
    10
a =
     1
     1
     1
     1
     0
     0
     0
     0
b =
  1×0 empty double row vector
c =
     0
     0
     0
     0
     0
     0
     0
     0
\max val =
     0
ind =
```

a =

1

1

1

1

0

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b =

1×0 empty double row vector

C =

0

0

0

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0

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 $max_val =$

0

ind =

1

a =

1

1

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0

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b =

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max_val =

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ind =

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a =

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0

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0

b =

1×0 empty double row vector

c =

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b =

0 1 2

C =

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max_val =

3

ind =

3

a =

1

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b =

1×0 empty double row vector

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ind =

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a =

1

1

1

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0

0

b =

1×0 empty double row vector

C =

max_val =

ind =

a =

b =

0 1

c =

max_val =

ind =

2

>>