```
clear;clc;
% indexed at n=0
x = [1 0 2 -1 1 0 2]';
h = [1 -1 0 0 1 -1]';

N = 4;
```

```
% indexed at n=0
ak = 1/N*fft(x,N)
```

```
ak = 4×1 complex
   0.5000 + 0.0000i
  -0.2500 - 0.2500i
   1.0000 + 0.0000i
  -0.2500 + 0.2500i
```

```
bk = 1/N*fft(h,N)
```

```
bk = 4×1 complex
   0.0000 + 0.0000i
   0.2500 + 0.2500i
   0.5000 + 0.0000i
   0.2500 - 0.2500i
```

```
% indexed at 0
ck = conv(ak,bk,"full");

ck(6)
```

```
ans =
0.1250 - 0.1250i
```