

```
>> Q3_b
```

```
a =
```

```
1 1 1 1 0 0 0 0
```

```
af1 =
```

```
Columns 1 through 6
```

```
4.0000 + 0.0000i 1.0000 - 2.4142i 0.0000 + 0.0000i 1.0000 - 0.4142i 0.0000 + 0.0000i
0.0000i 1.0000 + 0.4142i
```

```
Columns 7 through 8
```

```
0.0000 + 0.0000i 1.0000 + 2.4142i
```

```
af1_absolute =
```

```
4.0000 2.6131 0 1.0824 0 1.0824 0 2.6131
```

```
af2 =
```

```
Columns 1 through 6
```

```
4.0000 + 0.0000i 3.0137 - 2.0137i 1.0000 - 2.4142i -0.2483 - 1.2483i 0.0000 + 0.0000i
0.0000i 0.8341 + 0.1659i
```

```
Columns 7 through 12
```

```
1.0000 - 0.4142i 0.4005 - 0.5995i 0.0000 + 0.0000i 0.4005 + 0.5995i 1.0000 + 0.4142i
0.4142i 0.8341 - 0.1659i
```

```
Columns 13 through 16
```

```
0.0000 + 0.0000i -0.2483 + 1.2483i 1.0000 + 2.4142i 3.0137 + 2.0137i
```

```
af2_absolute =
```

```
Columns 1 through 11
```

```
4.0000 3.6245 2.6131 1.2728 0 0.8504 1.0824 0.7210
0 0.7210 1.0824
```

```
Columns 12 through 16
```

```
0.8504      0      1.2728      2.6131      3.6245
```

```
>>
```