

1.

```
A = np.loadtxt('h3A1.txt')
```

```
x = np.loadtxt('h3x1.txt')
```

```
AxIP(A,x)
```

```
Out[13]:
```

```
array([ 1.70000000e+01,  1.30000000e+01,  1.50000000e+01, -3.55271368e-15,  
        2.00000000e+00,  4.00000000e+00])
```

```
AxVS(A,x)
```

```
Out[14]:
```

```
array([ 1.70000000e+01,  1.30000000e+01,  1.50000000e+01, -3.55271368e-15,  
        2.00000000e+00,  4.00000000e+00])
```

2.

```
A = np.loadtxt('h3A2.txt')
```

```
x = np.loadtxt('h3x2.txt')
```

```
AxIP(A,x)
```

```
Out[45]: array([10.,  9.,  8.,  7.,  6.,  5.])
```

```
AxVS(A,x)
```

```
Out[46]: array([10.,  9.,  8.,  7.,  6.,  5.])
```