

```
In [1]: import numpy as np
x = np.array([1, 2, 3, 5])
x
N = 3
np.vander(x, N)
np.column_stack([x**(N-1-i) for i in range(N)])
x = np.array([1, 2, 3, 5])
np.vander(x)
np.vander(x, increasing=True)
```

```
Out[1]: array([[ 1,  1,  1,  1],
               [ 1,  2,  4,  8],
               [ 1,  3,  9, 27],
               [ 1,  5, 25, 125]])
```

```
In [ ]:
```