numpy.subtract

numpy.**subtract**(x1, x2[, out]) = <ufunc 'subtract'>

Subtract arguments, element-wise.

Parameters: x1, x2 : array_like
The arrays to be subtracted from each other.

Returns: y : ndarray
The difference of x1 and x2, element-wise. Returns a scalar if both x1 and x2 are scalars.

Notes

Equivalent to `x1 - x2` in terms of array broadcasting.

Examples

```
>>> np.subtract(1.0, 4.0)
-3.0
```

```
>>> x1 = np.arange(9.0).reshape((3, 3))
>>> x2 = np.arange(3.0)
>>> np.subtract(x1, x2)
array([[ 0.,  0.,  0.],
       [ 3.,  3.,  3.],
       [ 6.,  6.,  6.]])
```

Previous topic
numpy.power (numpy.power.html)
Next topic
numpy.true_divide (numpy.true_divide.