

numpy

array只会存储一种数据格式，字符串>浮点数>整数。numpy快的原因是元素连续存储

`np.array(1,11,dtype=np.float32)`, `array.size`

`np.zeros((3,3))`, `np.ones((3,3))`, `np.full((-2,2),4)`, `np.eye(4)`, `np.random.random((3,3))`

`array.reshape(3,4)`, `arr.resize(1,9)`会生成一个嵌套的数组

`array.faltten()`, `array.ravel()`的区别是前者占用额外的空间，后者不

`hstack()`, `vstack()`, `dstack()`会再套一个维度，

`np.array([2,4,6,8,10])`和`list`的区别是都乘以2的话一个会所有元素乘2，一个会拓展`list`

set

`set1.union(set2)`

`set1.intersection(set2)`

`set1.difference(set2)`

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