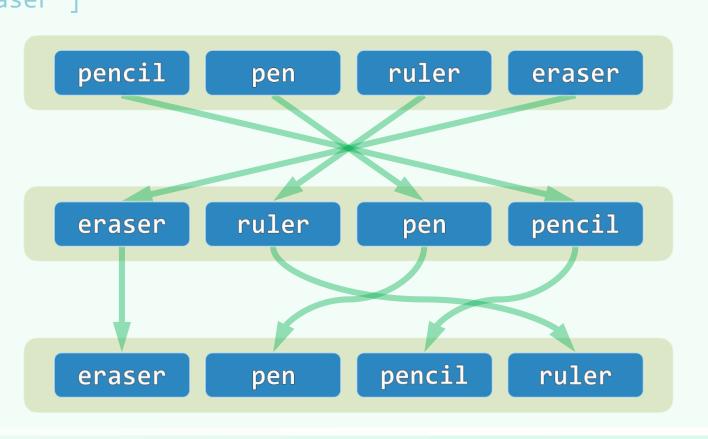


声明 + 倒置 + 排序

```
❖ 在Python中,List属于内置的标准数据类型
box = [ 'pencil', 'pen', 'ruler', 'eraser' ]; print(box)
 # ['pencil', 'pen', 'ruler', 'eraser']
❖ for item in box: print(item),
 # pencil pen ruler eraser
box.reverse()
 for item in box: print(item),
 # eraser ruler pen pencil
 box.sort()
 for item in box: print(item),
```

eraser pen pencil ruler



区间遍历

```
❖ for i in range(0, len(box)): # [0, n)
     print(box[i]),
 # eraser pen pencil ruler
❖ for i in range(len(box)-1, -1, -1): # [n-1, -1)
     print(box[i]),
 # ruler pencil pen eraser
❖ for i in range(-1, -len(box)-1, -1): # [-1, -n-1)
     print(box[i]),
                                                             pencil
                                                                        ruler
                                        eraser
                                                    pen
 # ruler pencil pen eraser
```

集合遍历

```
❖ bag = [ 'data structures', 'calculus', box, 2012012012 ]
 print(bag)
 # ['data structures', 'calculus',
    ['eraser', 'pen', 'pencil', 'ruler'], 2012012012]
❖ for item in bag: print(item),
                                                  calculus
                                                              & box
                                                                       2012012012
                                         d.s.
 # data structures calculus
    ['eraser', 'pen', 'pencil', 'ruler'] 2012012012
❖ for item in bag[2]: print(item),
                                                             pencil
                                                                         ruler
                                        eraser
 # eraser pen pencil ruler
                                                     pen
❖ for item in bag[2][1:3]: print(item),
 # pen pencil
```

reverse(): 秩 + 位置

```
def <u>reverse_1(L)</u>: # 循<del>秩</del>访问?
   lo, hi = 0, len(L) - 1
   while lo < hi:
       L[lo], L[hi] = L[hi], L[lo]
       lo, hi = lo + 1, hi - 1
   return L
```

```
def <u>reverse_2(L)</u>: # 循位置访问?
   for i in range( len(L) ):
      L.insert(i, L.pop())
   return L
```