QUEUE

```python
from LinkedStack import LinkedStack as Stack
from LinkedQueue import LinkedQueue as Queue
from CircularQueue import CircularQueue as CircularQueue
from LinkedDeque import LinkedDeque as Deque
from PositionalList import PositionalList as PositionalList
Q = Queue()
S = Stack()
CircQ = CircularQueue()
D = Deque()
P = PositionalList()

for i in range(1, 9):
    D.insert_last(i)
    print(D.last())
print()
Q.enqueue(D.delete_first())
Q.enqueue(D.delete_first())
Q.enqueue(D.delete_first())
D.insert_last(D.delete_first())
Q.enqueue(D.delete_first())
Q.enqueue(D.delete_last())
D.insert_last(Q.dequeue())
D.insert_last(Q.dequeue())
D.insert_last(Q.dequeue())
D.insert_last(Q.dequeue())
D.insert_last(Q.dequeue())
Q.enqueue(D.delete_first())
Q.enqueue(D.delete_first())
Q.enqueue(D.delete_first())
D.insert_last(Q.dequeue())
D.insert_last(Q.dequeue())
D.insert_last(Q.dequeue())
for i in range(1, 9):
    print(D.delete_first())
```

OUTPUT

```
Z:\DSALGO-IDB2\Activity1_Finals_Broqueza\.venv\Scripts\python.exe Z:\DSALGO-IDB2\Activity1_Finals_Broqueza\Activity1_Finals_Broqueza_STACK.py
1
2
3
4
5
6
7
8

1
2
3
5
4
6
7
8

Process finished with exit code 0
```

STACK

```python
from LinkedStack import LinkedStack as Stack
from LinkedQueue import LinkedQueue as Queue
from CircularQueue import CircularQueue as CircularQueue
from LinkedDeque import LinkedDeque as Deque
from PositionalList import PositionalList as PositionalList
Q = Queue()
S = Stack()
CircQ = CircularQueue()
D = Deque()
P = PositionalList()

for i in range(1, 9):
    D.insert_last(i)
    print(D.last())
print()
S.push(D.delete_first())
S.push(D.delete_first())
S.push(D.delete_first())
D.insert_last(D.delete_first())
S.push(D.delete_first())
S.push(D.delete_last())
D.insert_first(S.pop())
D.insert_first(S.pop())
D.insert_first(S.pop())
D.insert_first(S.pop())
D.insert_first(S.pop())
for i in range(1, 9):
    print(D.delete_first())
```

OUTPUT

```
Z:\DSALGO-IDB2\Activity1_Finals_Broqueza\.venv\Scripts\python.exe Z:\DSALGO-IDB2\Activity1_Finals_Broqueza\Activity1_Finals_Broqueza_STACK.py
1
2
3
4
5
6
7
8

1
2
3
5
4
6
7
8

Process finished with exit code 0
```