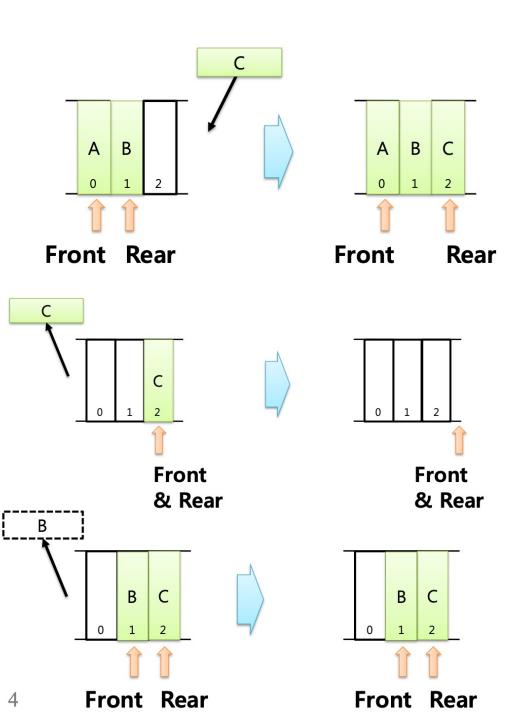
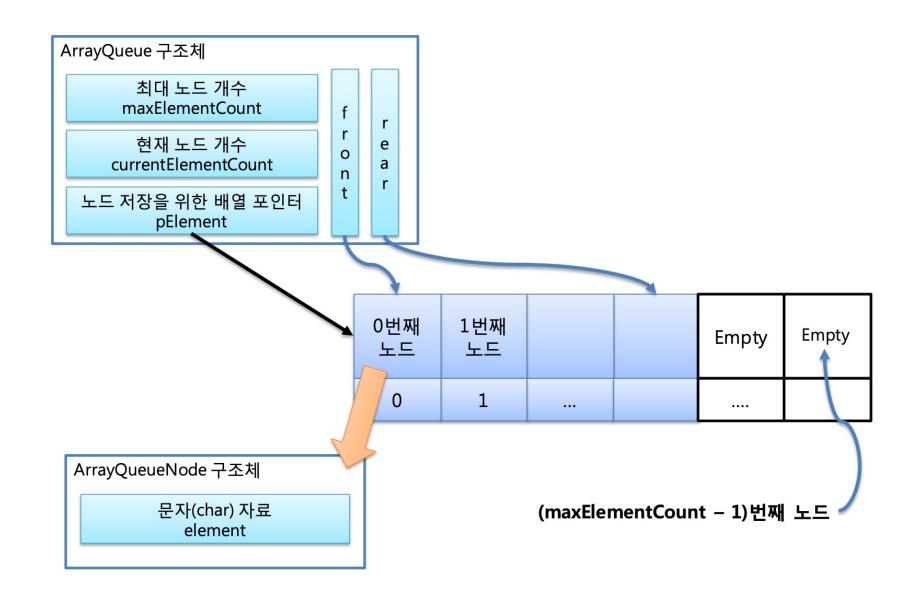
- 3가지 연산
 - 인큐(Enqueue, En-Queue)
 - 넘침(Overflow) 현상

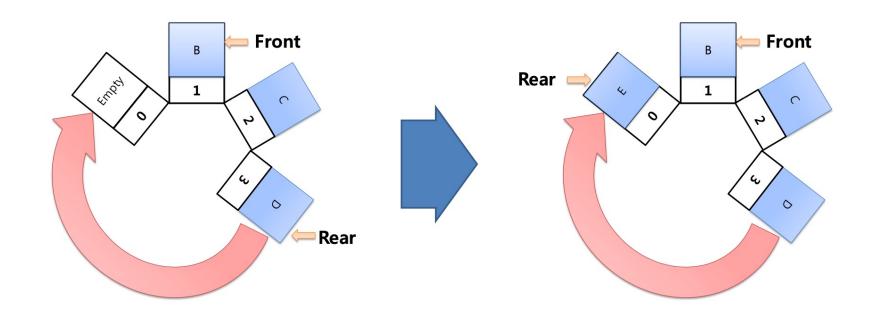
- 디큐(Dequeue, De-Queue)
 - 부족(Underflow) 현상

• 耳크(Peek)



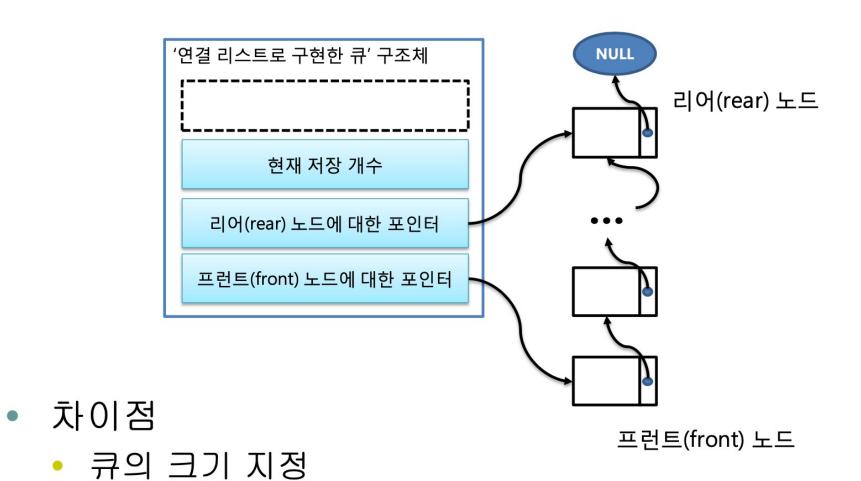
배열로 구현하기

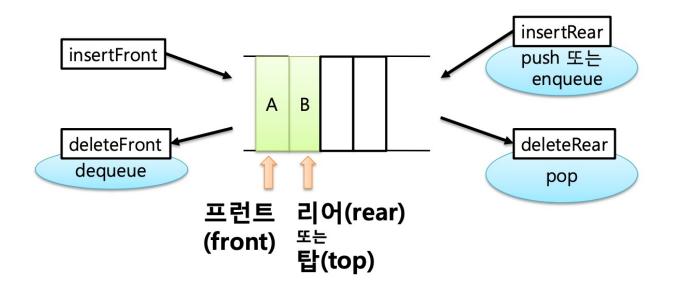




rear = (rear + 1) % maxElementCount

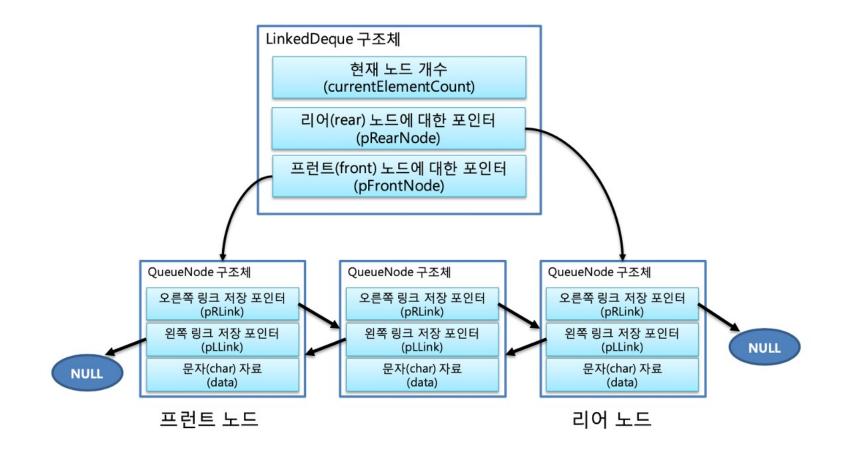
연결 리스트로 큐 구현하기





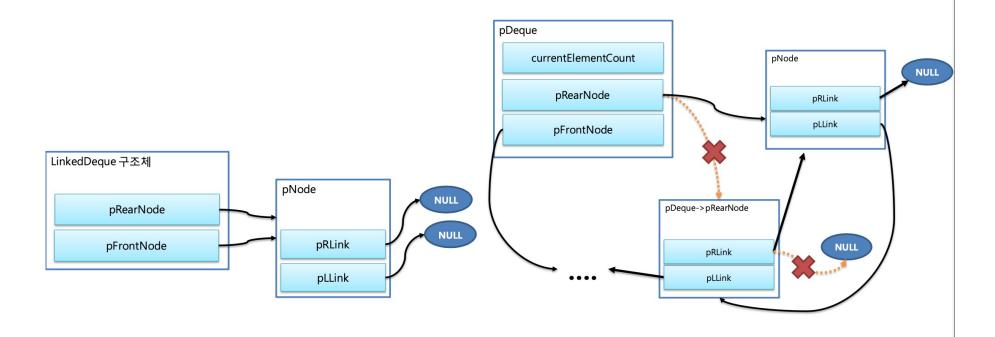
연산		덱	스택	큵
앞, 프런트(front)	추가	insertFront	없음	없음
	반환	deleteFront	없음	Dequeue
뒤, 리어(rear)	추가	insertRear	Push	Enqueue
	반환	deleteRear	Рор	없음

• 구조체



- 뒤 추가
 - 공백 상태일 때

공백 상태가 아닐 때



pDeque->pFrontNode = pNode; pDeque->pRearNode = pNode; pDeque->pRearNode->pRLink = pNode; pNode->pLLink = pDeque->pRearNode; pDeque->pRearNode = pNode;

• 뒤 제거/반환

• 공통

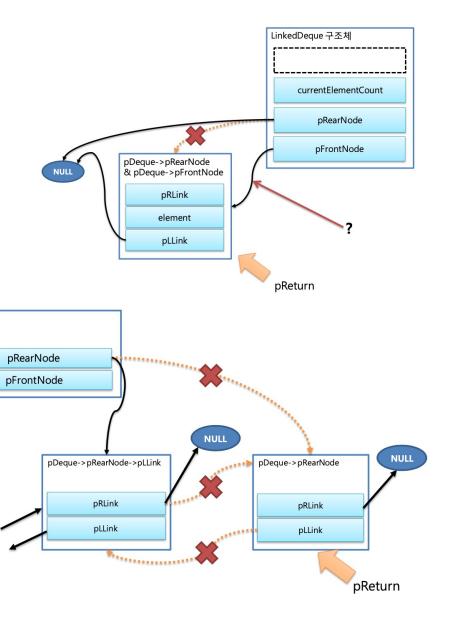
pReturn = pDeque->pRearNode; pDeque->pRearNode = pDeque->pRearNode->pLlink; pReturn->pLlink = NULL;

노드가 2개 이상인 덱 (일반적인 경우)

pDeque->pRearNode->pRLink = NULL;

• 노드가 1개인 큐

pDeque->pFrontNode = NULL;



pDeque