|  |  |  |
| --- | --- | --- |
|  | CIRCULAR QUEUE | STACK |
| Add item | if !((Rear+1)%capacity==Front)  Rear=(Rear+1)%capacity; | if !(ToS==capacity-1)  ToS++; |
| Delete item | if !(Front==Rear)  Front=(Front +1)%capacity;  else  { Front = Rear = -1 ;} | if !(ToS==BoS)  ToS--;  else  { ToS = BoS = -1; } |

Circular queue penuh jika (Rear+1)%capacity==Front

Tinggal 1 item di circular queue jika Front==Rear

Circular Queue

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 | 4 | … | Capacity-1 |
| data |  |  |  |  |  |  |  |
| variabel |  |  |  | Front |  |  | Rear |

Enqueue(item)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 | 4 | … | Capacity-1 |
| data |  |  |  |  |  |  |  |
| variabel | Rear |  |  | Front |  |  |  |

Dequeue()

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 | 4 | … | Capacity-1 |
| data |  |  |  |  |  |  |  |
| variabel | Rear |  |  |  | Front |  |  |

|  |  |
| --- | --- |
|  | Data tersimpan di queue |

Stack

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 | 4 | … | Capacity-1 |
| data |  |  |  |  |  |  |  |
| variabel | BoS |  |  | ToS |  |  |  |

Push(item)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 | 4 | … | Capacity-1 |
| data |  |  |  |  |  |  |  |
| variabel | BoS |  |  |  | ToS |  |  |

Pop()

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 | 4 | … | Capacity-1 |
| data |  |  |  |  |  |  |  |
| variabel | BoS |  |  | ToS |  |  |  |

|  |  |
| --- | --- |
|  | Data tersimpan di stack |