

ACTIVITY

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TANGGAL : Sabtu, 13 November 2021
MATERI : QUEUE
PERTEMUAN : ke - 5
MATA PRAKTIKUM : Struktur Data



QUEUE

1. $\text{Insert}(Q) = \{A, B, C, D\}$

A	B	C	D				
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$\text{Front}(Q) = A$

$\text{Rear}(Q) = D$

$\text{Noel}(Q) = 4$

2. $\text{Insert}(Q) = \{E, F, G, H\}$

A	B	C	D	E	F	G	H
---	---	---	---	---	---	---	---

$\text{Front}(Q) = A$

$\text{Rear}(Q) = H$

$\text{Noel}(Q) = 8$

3. $\text{Remove}(Q)$

	B	C	D	E	F	G	H
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$\text{Front}(Q) = B$

$\text{Rear}(Q) = H$

$\text{Noel}(Q) = 7$

4. $\text{Insert}(Q) = \{I\}$

I	B	C	D	E	F	G	H
---	---	---	---	---	---	---	---

$\text{Front}(Q) = I$

$\text{Rear}(Q) = H$

$\text{Noel}(Q) = 8$

5. $\text{Insert}(Q) = \{J, K\}$

I	B	C	D	E	F	G	H
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$\text{Front}(Q) = I$

$\text{Rear}(Q) = H$

$\text{Noel}(Q) = 8$

OVERFLOW

DEQUEUE

1. $\text{Insert}(\text{Left}(Q)) = \{O, P\}$

		P	O				
--	--	---	---	--	--	--	--

$\text{Left}(Q) = P$

$\text{Right}(Q) = O$

$\text{Noel}(Q) = 2$

2. Insert (Right(Q)) = {Q, R}

		P	O	Q	R		
--	--	---	---	---	---	--	--

Left(Q) = P

Right(Q) = R

Noel(Q) = 4

3. Remove (Right(Q))

		P	O	Q			
--	--	---	---	---	--	--	--

Left(Q) = P

Right(Q) = Q

Noel(Q) = 3

4. Insert (Left(Q)) = {S, T, U}

T	S	P	O	Q			U
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Left(Q) = U

Right(Q) = Q

Noel(Q) = 6

5. $\text{Insert}(\text{Right}(Q)) = \{V, W\}$

T	S	P	O	Q	V	W	U
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$\text{Left}(Q) = U$

$\text{Right}(Q) = W$

$\text{Noel}(Q) = 8$