

○ Monday

○ Tuesday

○ Wednesday

○ Thursday

○ Friday

○ Saturday

Nama: Faiz Ridayat

NEM: 201420026

Kelas: IE2A

1. Array Queue = Null dengan  $\max(Q) = 5$ 

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a. Insert KLM

b. Insert AB

c. Remove 2 elemen

d. Insert FG

e. Remove item

f. Remove item

g. Insert H

h. Remove item

Benarapakah F, R, I?  
Jawab

a. Insert KLM

K	L	M		
---	---	---	--	--

1 2 3 4 5

Front = 1

Rear = 3

b. Insert AB

K	L	M	A	B
---	---	---	---	---

1 2 3 4 5

Front = 1

Rear = 5

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c. Remove 2 element

		M	A	B
--	--	---	---	---

Front = 3

1 2 3 4 5 Rear = 5

d. insert FG

F	G	M	A	B
---	---	---	---	---

Front = 3

1 2 3 4 5 Rear = 2

e. Remove item

F	G		A	B
---	---	--	---	---

Front = 4

1 2 3 4 5 Rear = 2

f. Remove item

F	G			B
---	---	--	--	---

Front = 5

1 2 3 4 5 Rear = 2

g. insert H

F	G	H		B
---	---	---	--	---

Front = 5

1 2 3 4 5 Rear = 3

h. Remove item

F	G	H		
---	---	---	--	--

Front = 1 1 = F, G, H

1 2 3 4 5 Rear = 3



2. Diketahui data: P, Q, R, S, T, U, V dimasukkan ke dalam stack kosong, kemudian di POP sebanyak 4 elemen dan langsung di masukkan ke dalam Queue. Setelah itu di Remove di Queue 1 elemen dan langsung di masukkan lagi ke dalam stack awal.

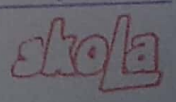
a. Tentukan isi stack terakhir

b. Tentukan F, R, I dari Queue?

Jawab

Insert (S, P, Q, R, S, T, U, V)		POP 4 elemen	
V		.	
U	TOP(S) = 4	.	TOP(S) = R
T	Top = 7	.	Top = 3
S	NOEL(S) = 7	.	NOEL(S) = 3
R		R	
Q		Q	
P		P	

Insert P, Q, R							Front = 1
P	Q	R					
1	2	3	4	5	6	7	Rear = 3



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Remove 1 element

	Q	R				
1	2	3	4	5	6	7

Front = 2

Rear = 3

Insert (s, 'Q, R')

R
Q
R
Q
P

TOP(s) = R

Top = 5

NOEL(s) = 5