• Array alt	ernative 1 ernative 2 ernative 3 e as before	n using		
Jawab:				
· Single linked list	t Algoritma:			
 Buat if question else to dequeue(is elemen pertama	N yang datanya x mpty, maka front khir (dan update b	k = back = N ack)	da x):
1	2			
1	2	3	4	5
$\begin{array}{c} 3 \\ \text{Head} = 1 \\ \text{Tail} = 3 \\ \text{Is empty} = \text{True} \end{array}$	4	2		
1	2	3	4	5
2				
$\begin{aligned} & \text{Head} = 1 \\ & \text{Tail} & = 0 \\ & \text{Is empty} = \text{True} \end{aligned}$				
1	2	3	4	5
5	2			
Head $= 1$				

Is empty = True				
1	2	3	4	5
TT 1 0				

 $\begin{aligned} \text{Head} &= 0 \\ \text{Tail} &= 0 \end{aligned}$

Tail = 2

Array Alternative 2

4 1	• .
ΔΙ	goritma:
/ 1 1	goriuna.

Algoritma:				
Add(P,3)				
Add(P,4)				
Add(P,2)				
Del(P)				
Del(P)				
Add(P,5)				
Del(P)				
Add(P,6)				
Add(P,7)				
Del(P)				
Del(P)				
Del(P)				
. ,				
1	2	3	4	5
3	4	2		3
Head = 1	+	<u> </u>		
Tail $= 3$				
Is empty = True				
1	2	3	4	5
2	<u> </u>	3	4	3
Head = 1				
Tail $= 0$				
Is empty = True				
	2	2	1	5
5	2 2	3	4	3
	2			
Head = 1 $Tail = 2$				
Is empty = True				
1	2	2	1	<i>E</i>
2	2	3	4	5
$\begin{aligned} \text{Head} &= 1 \\ \text{Tail} &= 0 \end{aligned}$				
Is empty = True				
	2	2	4	<i>-</i>
7	2	3	4	5
	6	2		
Head = 1 $Tail = 3$				
Tail = 3 Is empty = True				
	2	2	A	~
1	2	3	4	5

Head = 0

Tail = 0 Is empty = False

· Array alternative 3

Algoritma:

Mε	Ortuna.
	Add(P,3)
	Add(P,4)
	Add(P,2)
	Del(P)
	Del(P)
	Add(P,5)
	Del(P)
	Add(P,6)
	Add(P,7)
	Add(P,8)
	Del(P)
	Del(P)
	Del(P)
	Del(P)

1	2	3	4	5
3	4	2		

Head = 1

Tail = 3

Is empty = True

1	2	3	4	5
2				

Head = 1

Tail = 0

Is empty = True

1	2	3	4	5
5	2			

Head = 1

Tail = 2

Is empty = True

1	2	3	4	5
2				

Head = 1

Tail = 0

Is empty = True

1	2	3	4	5
8	7	6	2	

Head = 1

Tail = 3

Is empty = True

1	2	3	4	5

Head = 0

Tail = 0

Is empty = False