INITIAL STATE

Empty list: head = null, tail = null

INSERT AT END (101)

head \rightarrow [101] \leftarrow tail

prev = null, next = null

INSERT AT END (102)

head \rightarrow [101] \leftarrow tail

[101]: prev = null, next = 102

[102]: prev = 101, next = null

INSERT AT BEGINNING CRITICAL PATIENT (200)

head \rightarrow [200] <-> [101] <-> [102] ← tail

[200]: prev = null, next = 101

[101]: prev = 200, next = 102

[102]: prev = 101, next = null

INSERT AT POSITION (150, 2)

head \rightarrow [200] <-> [150] <-> [101] <-> [102] ← tail

[200]: prev = null, next = 150

[150]: prev = 200, next = 101

[101]: prev = 150, next = 102

[102]: prev = 101, next = null

DELETE FROM BEGINNING

 $\mathsf{head} \rightarrow \mathsf{[150]} \mathrel{<->} \mathsf{[101]} \mathrel{<->} \mathsf{[102]} \leftarrow \mathsf{tail}$

[150]: prev = null, next = 101

[101]: prev = 150, next = 102

[102]: prev = 101, next = null

INSERT AT END (300)

head \rightarrow [150] <-> [101] <-> [102] <-> [300] ← tail

[150]: prev = null, next = 101

[101]: prev = 150, next = 102

[102]: prev = 101, next = 300

[300]: prev = 102, next = null