Struktur Data

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EPISODE 4C

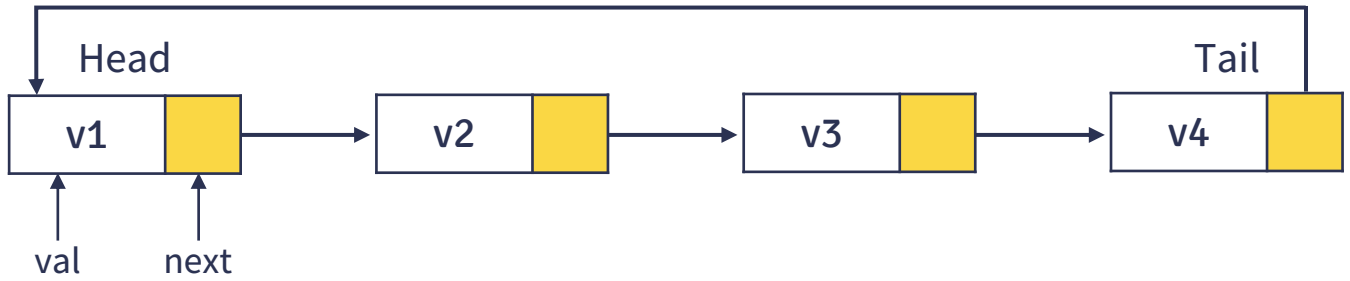
Circular Single Linked List

Circular Single Linked List ?

- Circular Linked List adalah sekumpulan node atau simpul yang tidak terdapat nilai NULL pada satupun nodenya.

- Bentuk node pada Circular Single Linked List sama dengan Single Linked List yang mempunyai data dan pointer next.

- Yang membedakan adalah jika pada Single Linked List node terakhir menunjuk ke NULL, tapi di Circular Single Linked List node terakhir menunjuk ke node pertama.



Deklarasi & Inisialisasi ?

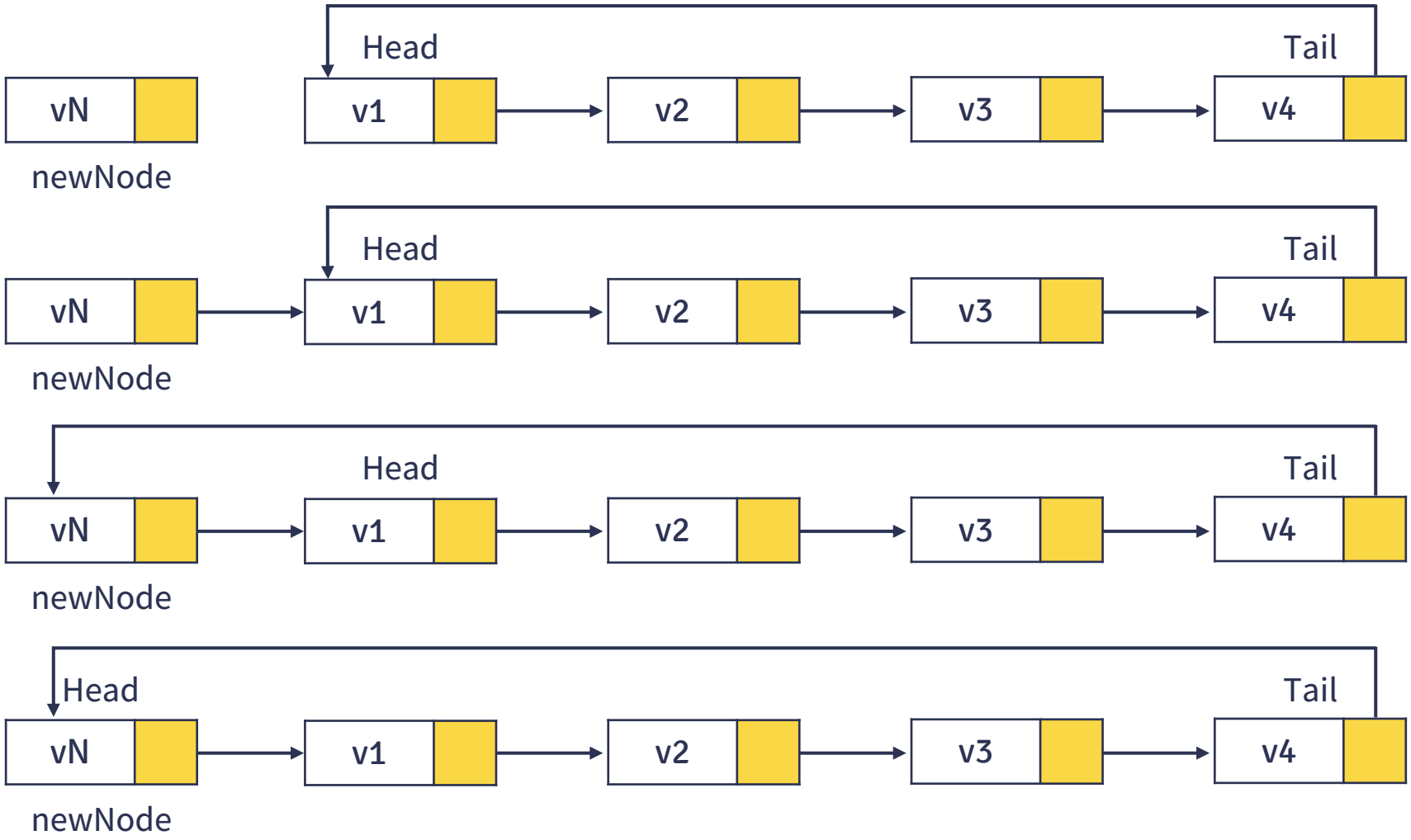
```
// Deklarasi
/*
  struct LinkedListName{
    typeData dataName1;
    . . .
    LinkedListName *next;
  };
*/
```

```
// Inisialisasi
/*
  LinkedListName *head, *tail;
  head = new LinkedListName();
  tail = new LinkedListName();

  head->dataName1 = val;
  . . .
  head->next = tail;

  tail->dataName1 = val;
  . . .
  tail->next = head;
*/
```

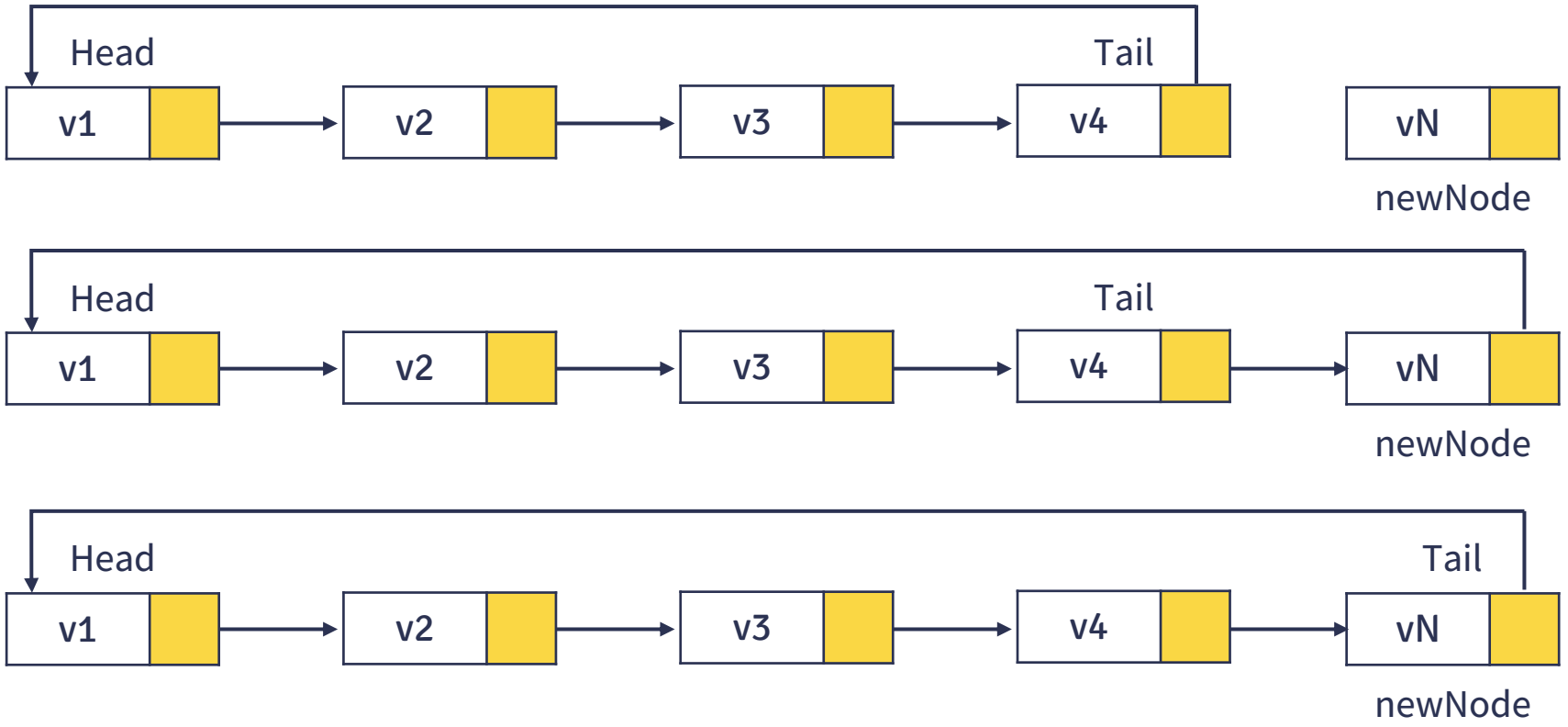
Print Double Linked List ?

```
// Print Circular Single Linked List
/*
  LinkedListName *cur;
  cur = head;
  while( cur->next != head ){
    // Print Statement
    ....
    cur = cur->next;
  }
  // Print Last Node Statement
  . . .
*/
```

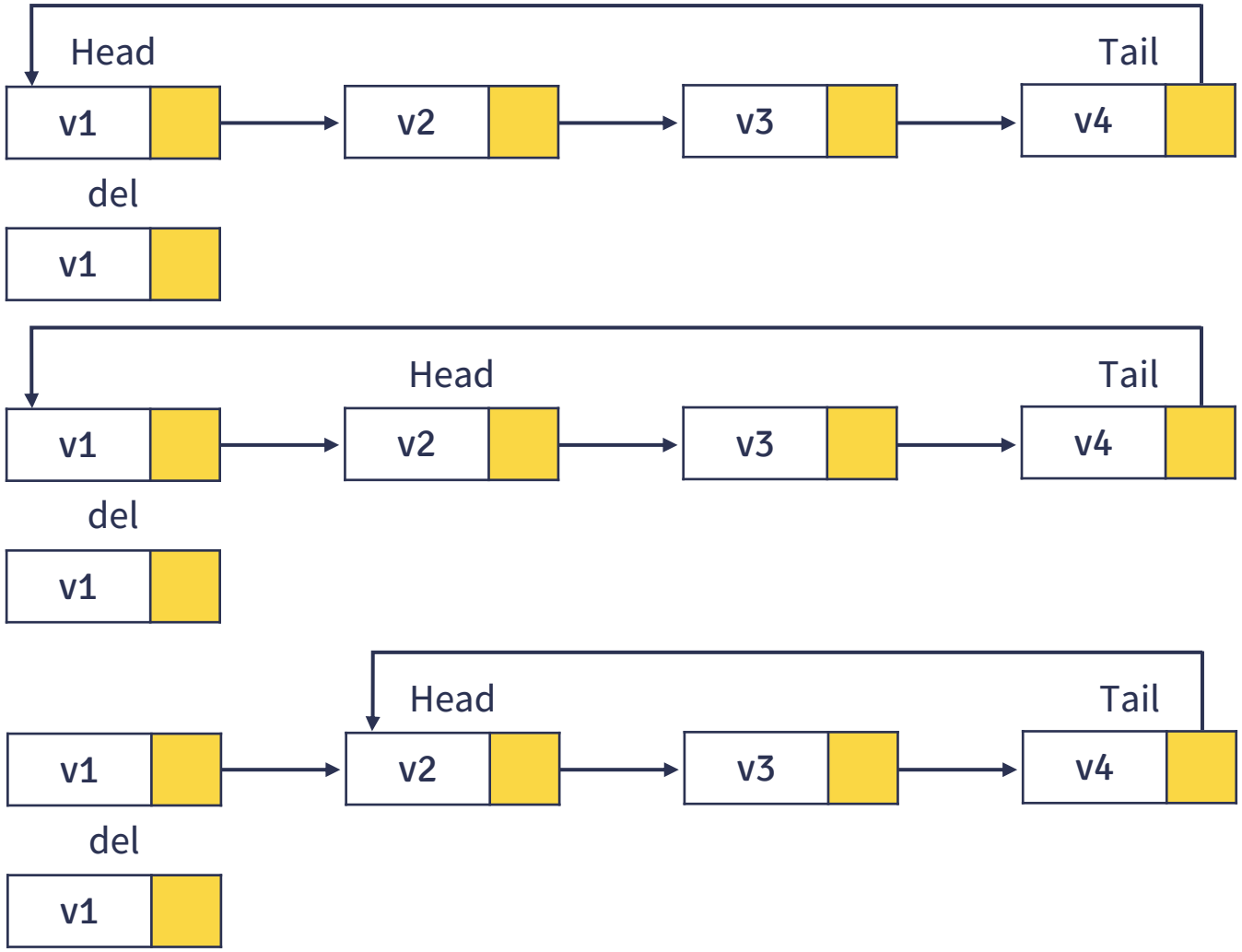
Added at Beginning Node ?



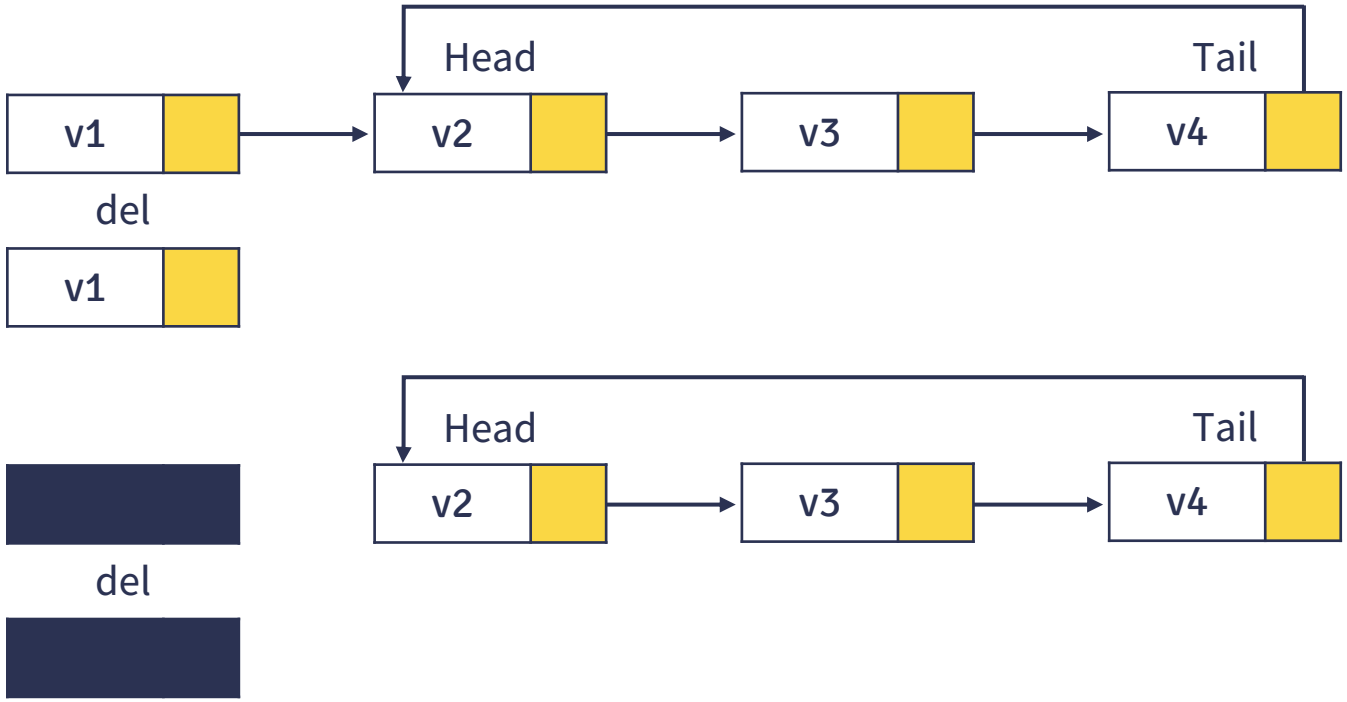
Added at Last Node ?



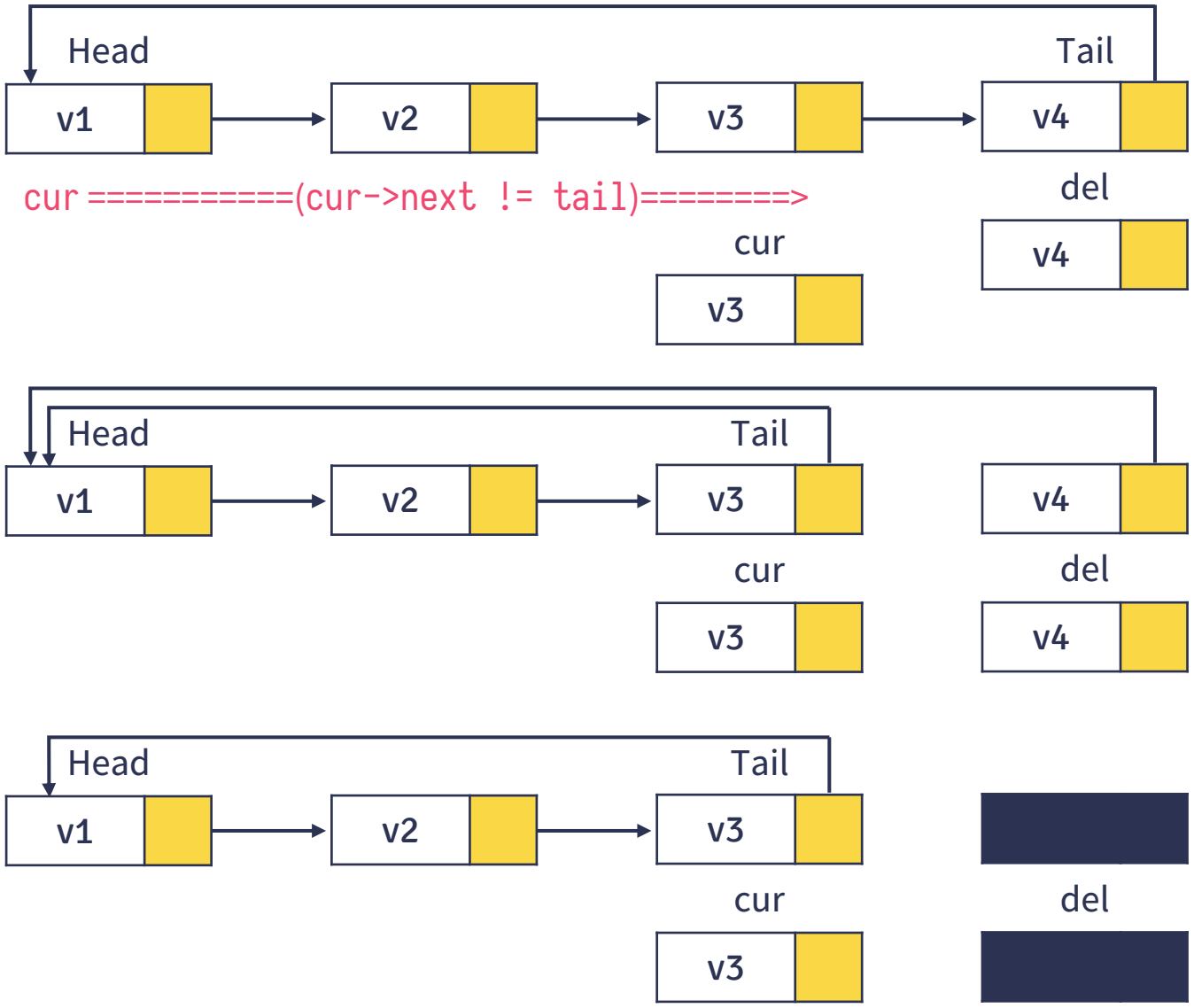
Delete the First Node ?



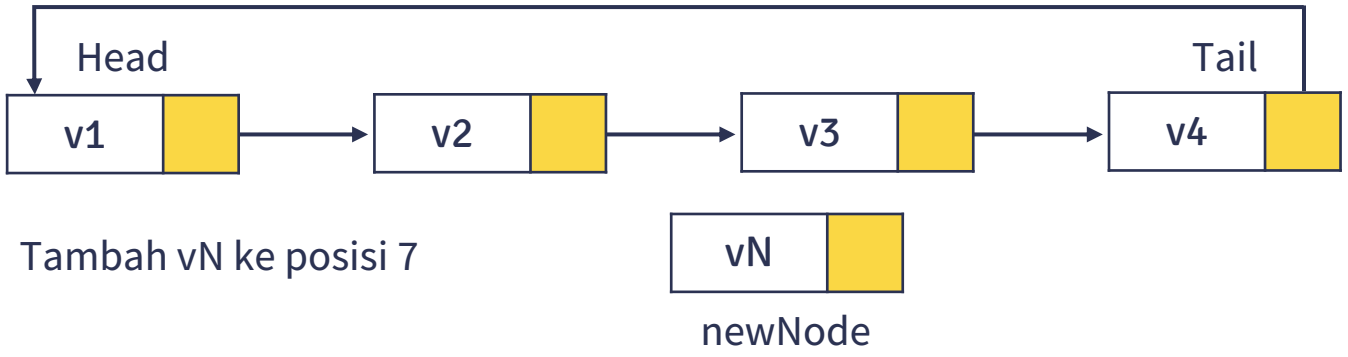
Delete the First Node ?

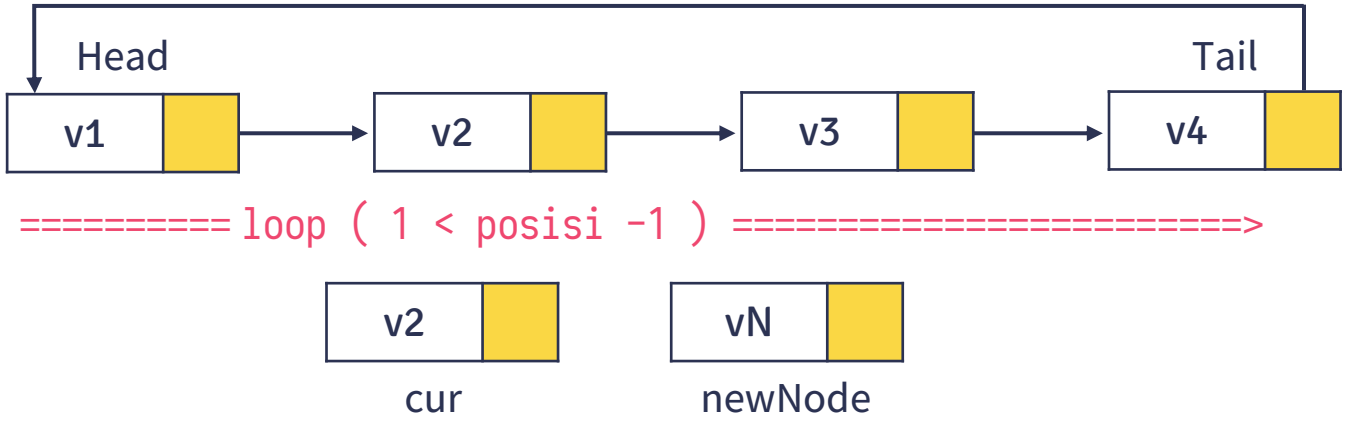


Delete the Last Node ?

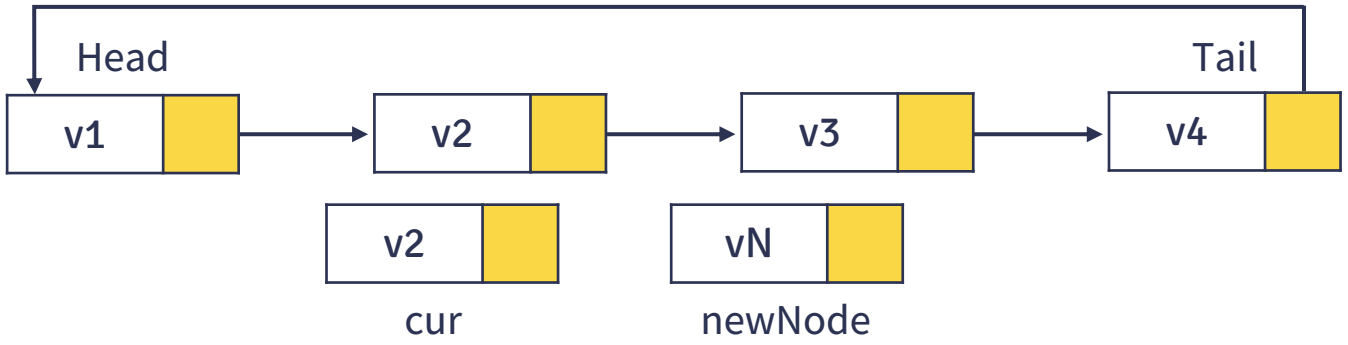


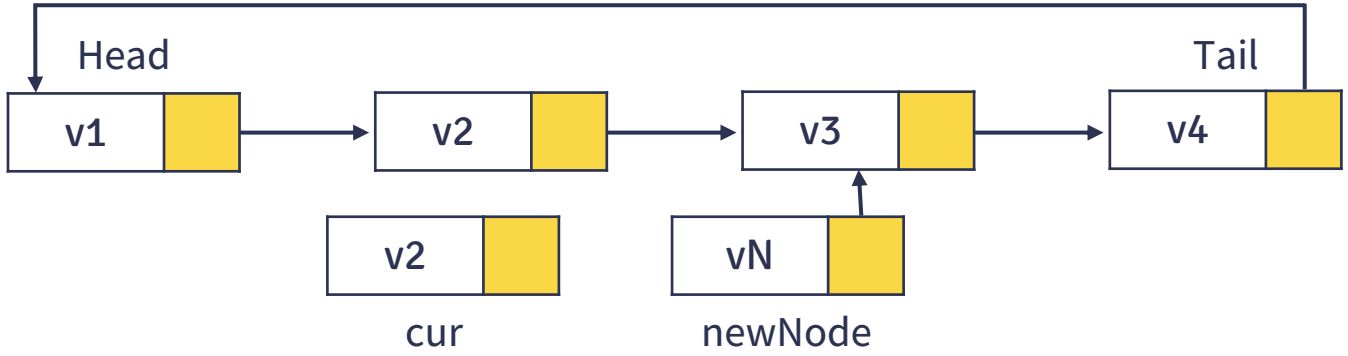
Added at Middle Node ?

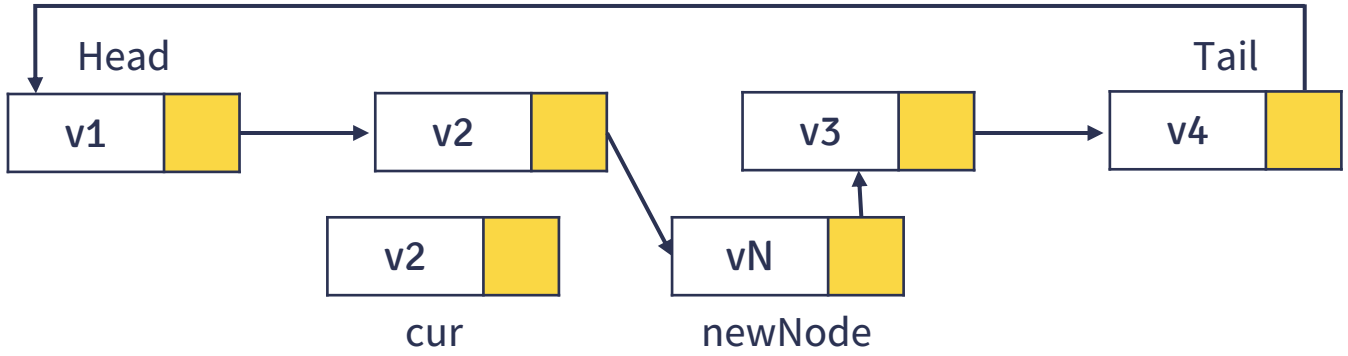




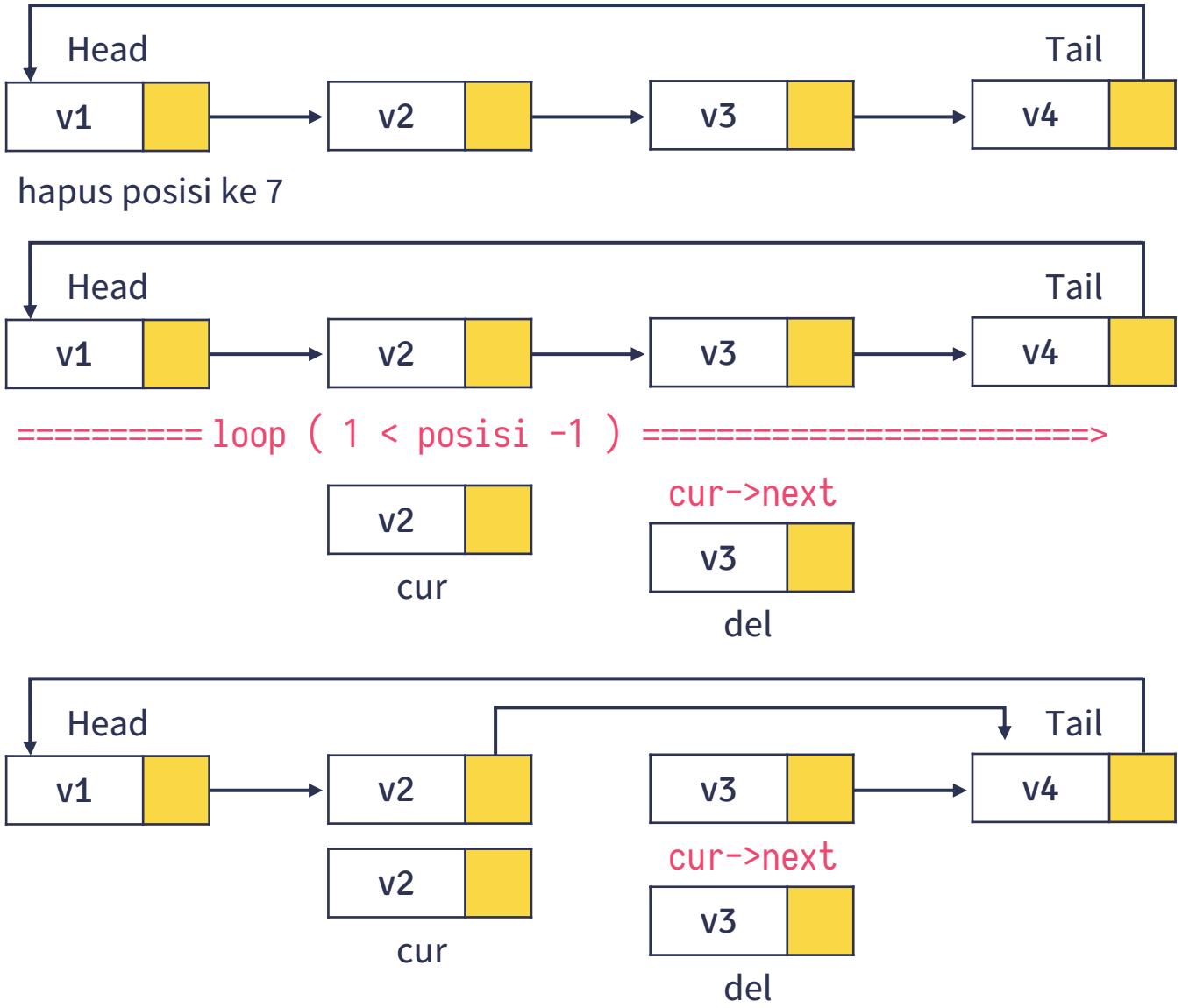
Added at Middle Node ?



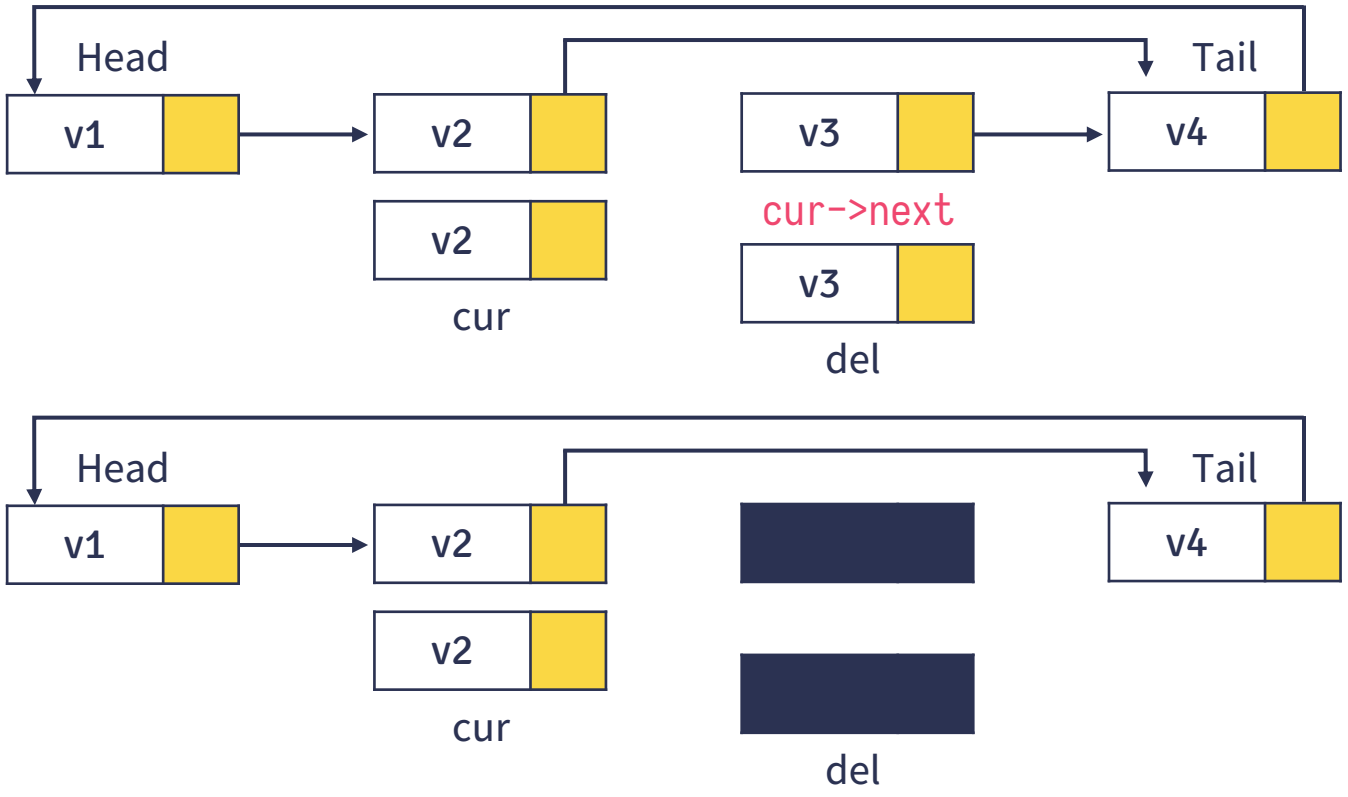




Delete at Middle Node ?



Delete at Middle Node ?



Video Selanjutnya

Circular Double Linked List

Thank you

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#KEEPSPIRITS