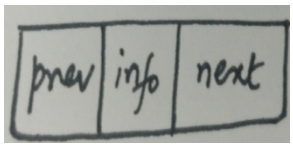
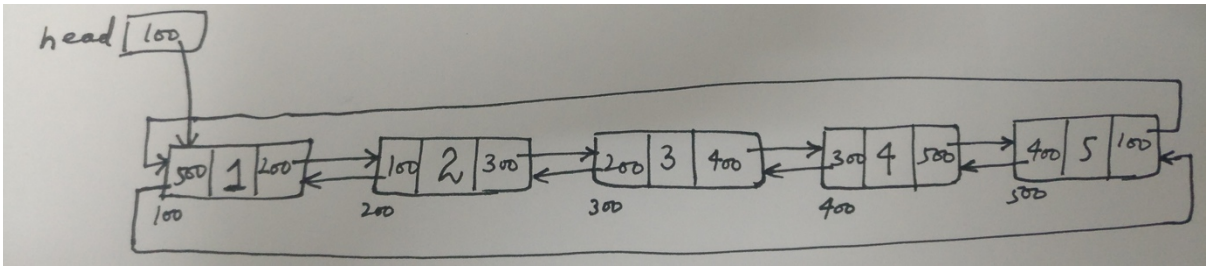
Link Structure Practice

Consider the following structure:

```
template<typename T>
struct DNode
{
	T info; //information/data contained in object/node
	DNode<T> * next; //points to next object in the list
	DNode<T> * prev; //points to previous object in the list
};
```



Consider the following circular double link list (diagram) which is created using objects of type `DNode<int>`. Where '`head`' is a pointer of type `DNode<T> *`.



1. Apply/execute the following statement on the above diagram and draw the diagram with changes.
   `head->next->next->next = head->prev;`

2. Apply the following statement on the resultant diagram of question 1.
   `head->prev->prev->prev = head->next->next->next->prev;`

3. Apply the following statement on the resultant diagram of question 2.
   `head->next->next->next->prev = head->prev->prev->prev;`

4. Apply the following statement on the resultant diagram of question 3.
   `head->next = head->next->next;`

5. Apply the following statement on the resultant diagram of question 4.
   `head->next->prev->next = head->next->next->next;`

Please do the above question before Next session.