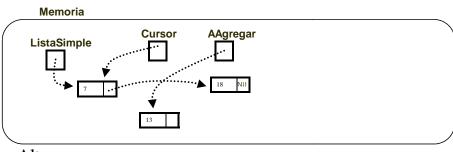
Listas y Listas de Listas

- ≻Repaso
 - ➤ Alta de un nodo en cualquier lugar de una lista.
 - ➤ Baja de un nodo en cualquier lugar de una lista.
 - ➤Tipos de Listas
 - ➤ Definición de registro en Lista Simple
- ► Lista de Lista



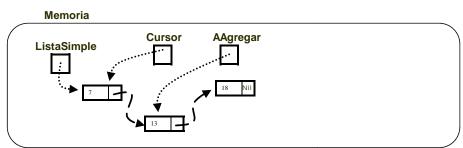


Alta de un Nodo



Alta ... AAgregar^.Sig := Cursor^.Sig; Cursor^.Sig := AAgregar; ...

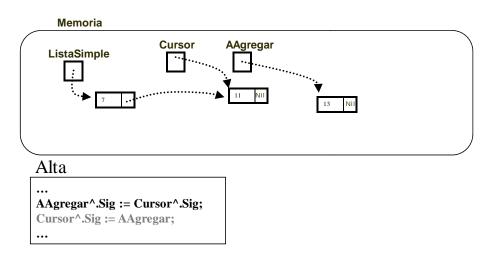
Alta de un Nodo



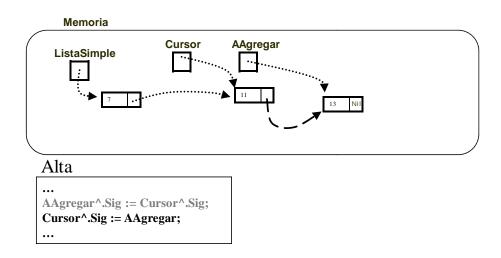
Alta ... AAgregar^.Sig := Cursor^.Sig; Cursor^.Sig := AAgregar; ...



Alta de un Nodo al Final

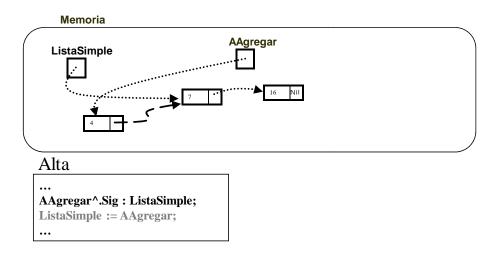


Alta de un Nodo al Final

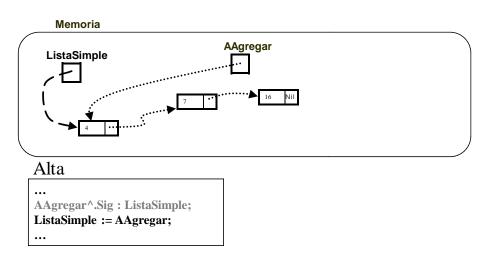




Alta de un Nodo al Principio

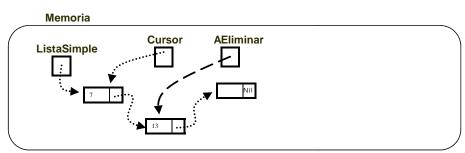


Alta de un Nodo al Principio





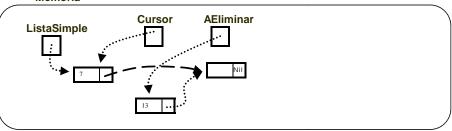
Baja de un Nodo



Baja

...
AEliminar := Cursor^.Sig;
Cursor^.Sig := Cursor^.Sig^.Sig;
Dispose(AEliminar);

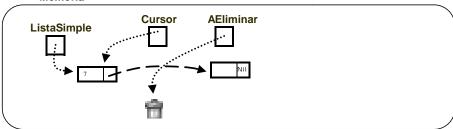
Memoria



Baja

...
AEliminar := Cursor^.Sig;
Cursor^.Sig := Cursor^.Sig^.Sig;
Dispose(AEliminar);
...

Memoria



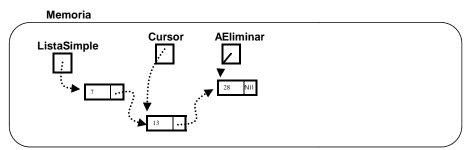
Baja

...
AEliminar := Cursor^.Sig;
Cursor^.Sig := Cursor^.Sig^.Sig;
Dispose(AEliminar);
...





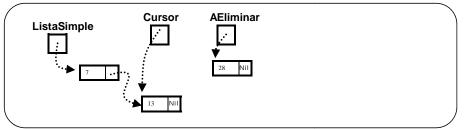
Baja de un Nodo al Final



Baja

AEliminar := Cursor^.Sig; Cursor^.Sig := Cursor^.Sig^.Sig; Dispose(AEliminar);

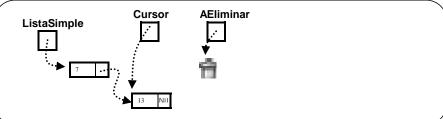
Memoria



Baja

AEliminar := Cursor^.Sig; Cursor^.Sig := Cursor^.Sig^.Sig; Dispose(AEliminar);

Memoria



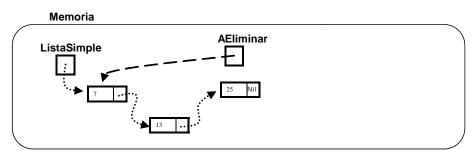
Baja

AEliminar := Cursor^.Sig; Cursor^.Sig := Cursor^.Sig^.Sig; Dispose(AEliminar);





Baja de un Nodo al Principio

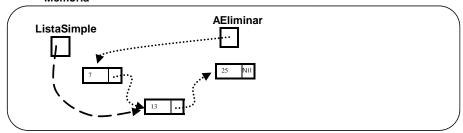


Baja

AEliminar := ListaSimple; **ListaSimple := ListaSimple^.Sig;**

Dispose(AEliminar);

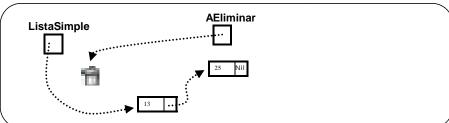
Memoria



Baja

AEliminar := ListaSimple; **ListaSimple := ListaSimple^.Sig;** Dispose(AEliminar);

Memoria



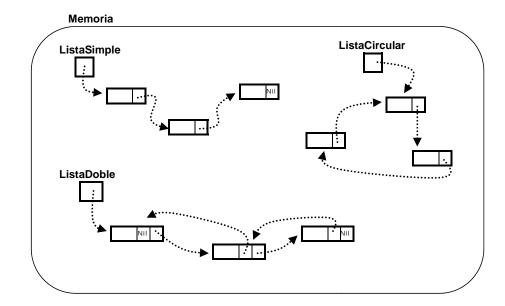
Baja

AEliminar := ListaSimple; **ListaSimple := ListaSimple^.Sig;** Dispose(AEliminar);





Tipos de Lista









Lista Simple

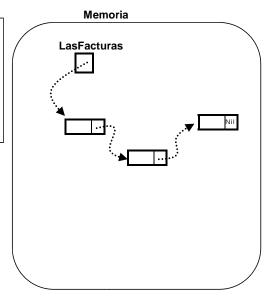
Type PuntFactura = ^TipoFactura;

 ${\bf TipoFactura = record}$

Nro: Integer; Importe: Real; IVA: Char; Sig: PuntFactura

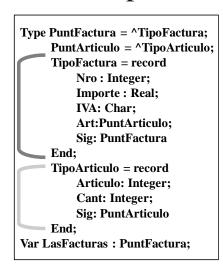
End;

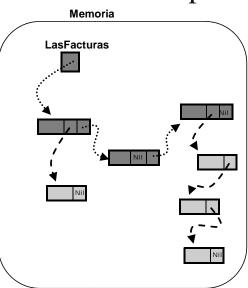
Var LasFacturas : PuntFactura;



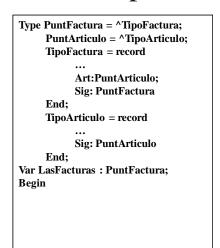


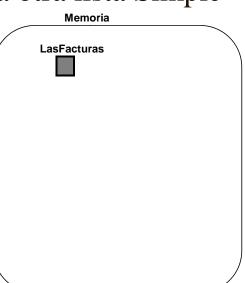


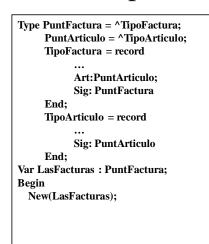


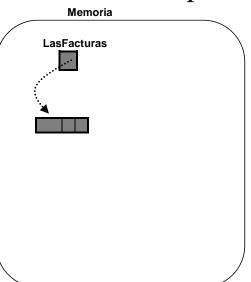






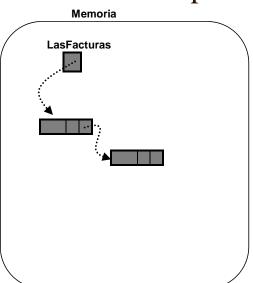




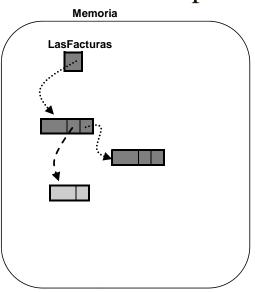




```
Type PuntFactura = ^TipoFactura;
PuntArticulo = ^TipoArticulo;
TipoFactura = record
...
Art:PuntArticulo;
Sig: PuntFactura
End;
TipoArticulo = record
...
Sig: PuntArticulo
End;
Var LasFacturas : PuntFactura;
Begin
New(LasFacturas);
New(LasFacturas^.Sig);
```



```
Type PuntFactura = ^TipoFactura;
PuntArticulo = ^TipoArticulo;
TipoFactura = record
...
Art:PuntArticulo;
Sig: PuntFactura
End;
TipoArticulo = record
...
Sig: PuntArticulo
End;
Var LasFacturas : PuntFactura;
Begin
New(LasFacturas);
New(LasFacturas^.Sig);
New(LasFacturas^.Art);
```





```
Type PuntFactura = ^TipoFactura;
     PuntArticulo = ^TipoArticulo;
     TipoFactura = record
           Art:PuntArticulo;
           Sig: PuntFactura
     End;
     TipoArticulo = record
           Sig: PuntArticulo
     End;
Var LasFacturas : PuntFactura;
Begin
  New(LasFacturas);
  New(LasFacturas^.Sig);
  New(LasFacturas^.Art);
  LasFacturas^{*}.Sig^{*}.Sig := Nil;
  LasFacturas^.Sig^.Art := Nil;
  LasFacturas^.Art^.Sig := Nil;
```

