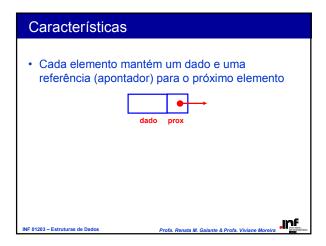
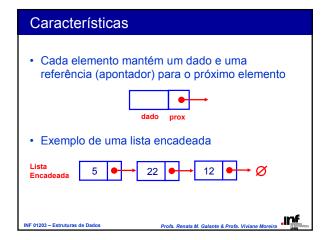
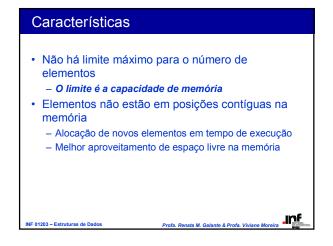
## Listas Lineares Simplesmente Encadeadas Renata Galante INF 01203 – Estruturas de Dados

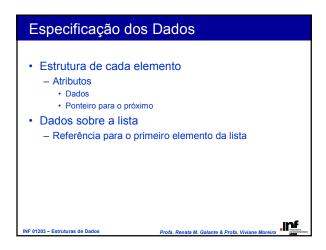


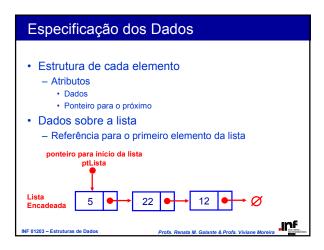


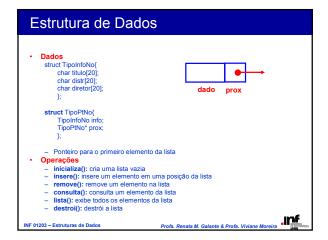


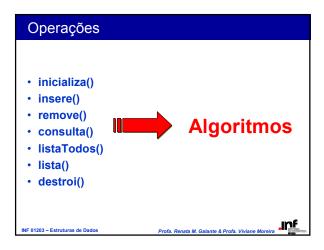










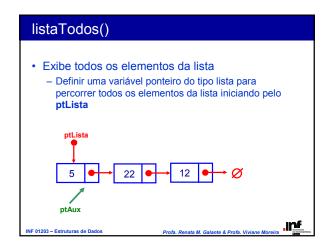


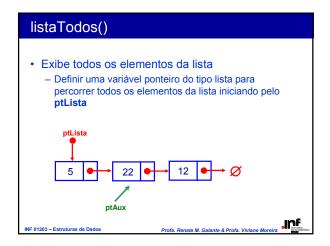


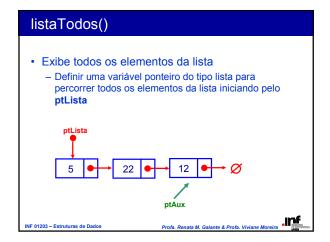
```
Inicializa()

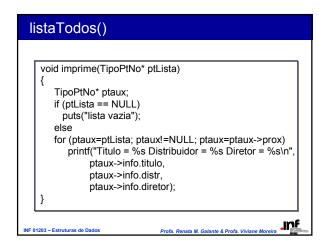
struct TipoPtNo{
    TipoInfoNo info;
    TipoPtNo* prox;
    };

TipoPtNo* inicializa(void)
{
    return NULL;
}
```









```
Pesquisar na lista por um valor x

Definir uma variável ponteiro do tipo lista para percorrer todos os elementos da lista iniciando pelo ptLista

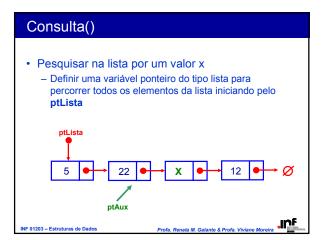
ptLista

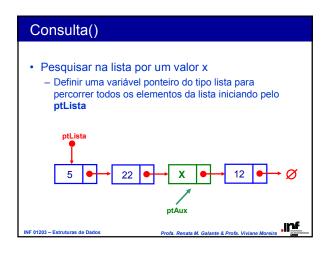
ptLista

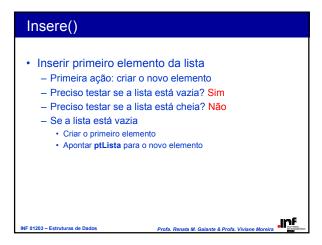
ptLista

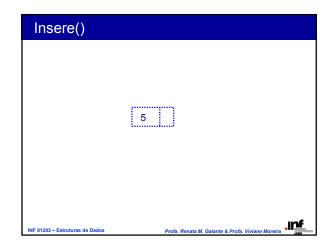
ptLista

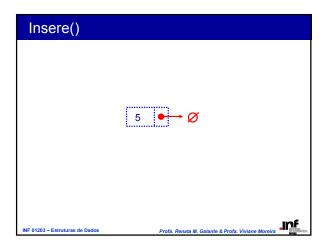
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```

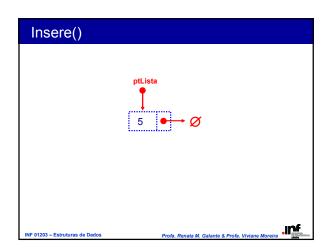


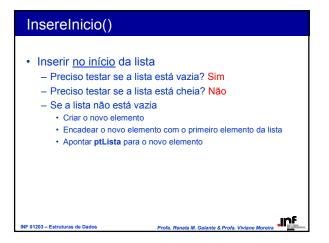


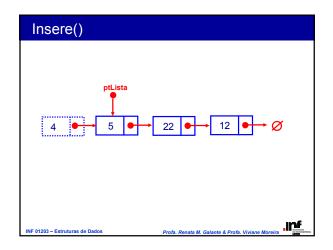


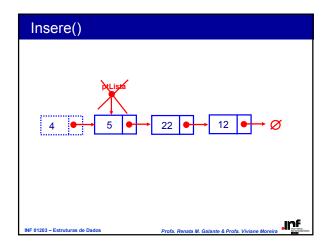


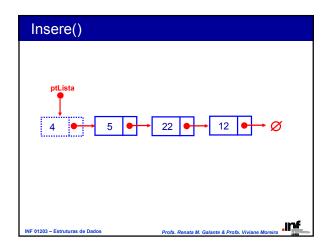




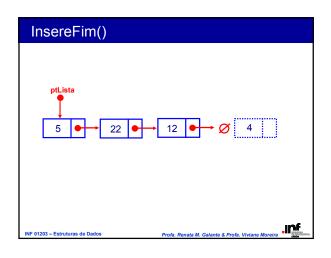


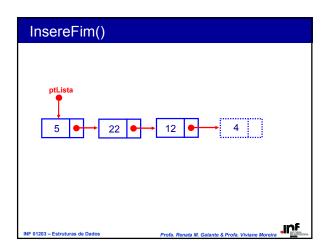


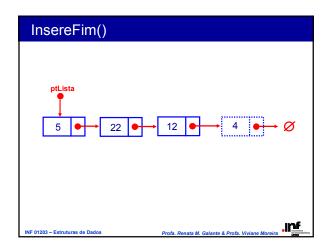


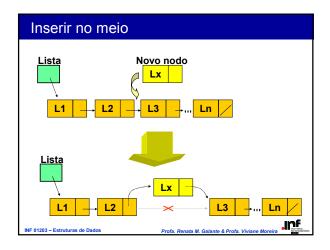


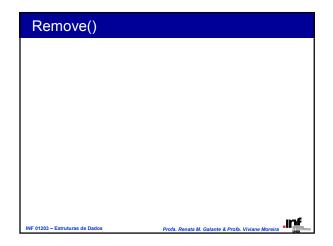


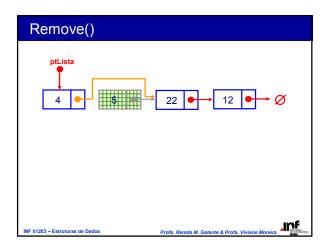


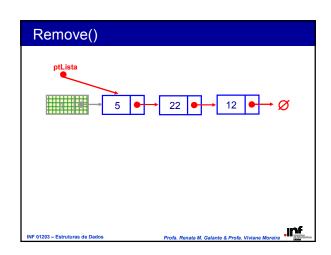


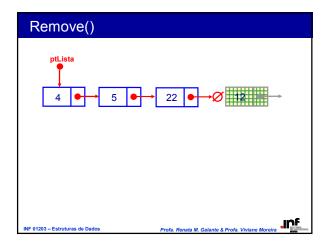












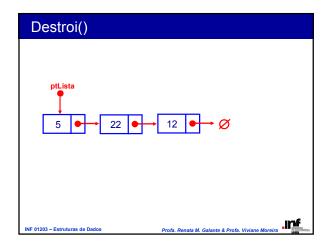
```
TipoPtNo* remove(TipoPtNo* ptLista, char titulo[])

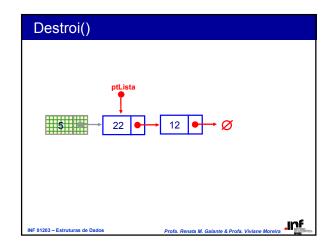
{
    TipoPtNo *ant = NULL; //ponteiro auxiliar para a posição anterior
    TipoPtNo *ptaux = ptLista; //ponteiro auxiliar para percorrer a lista
    /*procura o elemento na lista*/
    while (ptaux !=NULL && (strcmp(ptaux->info.titulo, titulo)))

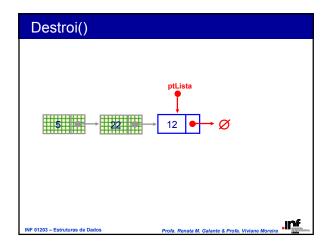
{
        ant = ptaux;
        ptaux = ???;
    }
    if (ptaux == NULL) /*verifica se achou*/
        return ???; /*retorna a lista original*/
    if (ant == NULL) /*vai remover o primeiro elemento*/
        ptLista = ???;
    else /*vai remover do meio ou do final*/
        ant->prox = ???;
    free(ptaux); /*libera a memória alocada*/
    return ptLista;
}

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```







```
TipoPtNo* destroi(TipoPtNo* ptLista)
{
    TipoPtNo *ptaux; //ponteiro auxiliar para percorrer a lista
    while (ptLista!= NULL)
    {
        ptaux = ptLista;
        ptLista = ???;
        free(???);
    }
    free(???);
    return NULL;
}

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```