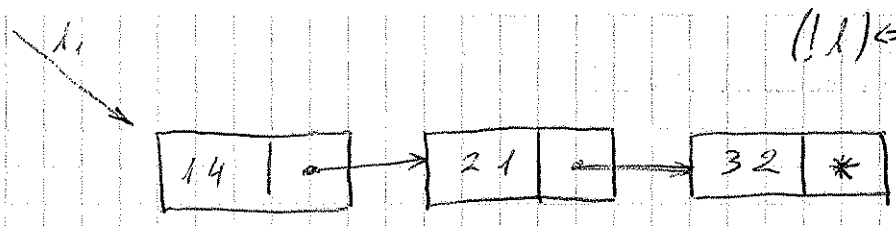


m=59776

16/04/2010

Nome: Marcos Felipe Martins Andrade



$(!l) \Leftrightarrow (l == NULL)$

```

typedef struct sLIInt
{
    int valor;
    struct sLIInt * seg;
}
*LIInt, Node;
  
```

```

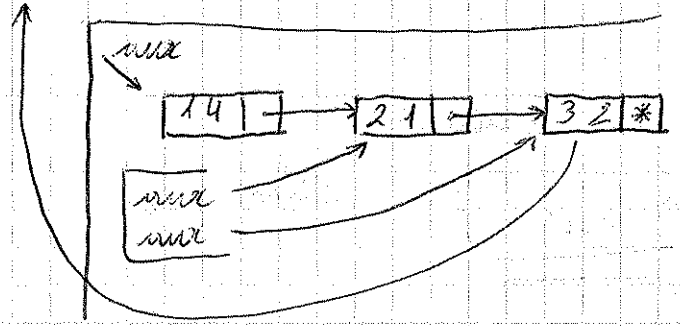
LIInt processa(LIInt l, int m)
{
    if(!l || (l->valor > m))
        return NULL;
    else
        if (l->valor == m)
            return l;
        else
            return processa(l->seg, m);
}
  
```

```

LIInt proc itf (LIInt l, int m)
{
    LIInt aux = l;
    while (aux && (aux->valor <= m))
        aux = aux->seg;
    if (!aux || (aux->valor > m))
        return NULL;
    else
        return aux;
}
  
```

} return (!aux || (aux->valor > m)) ? ...  
... NULL : aux;

Ex: x = proc itf (l1, 32);



Ling. C

```

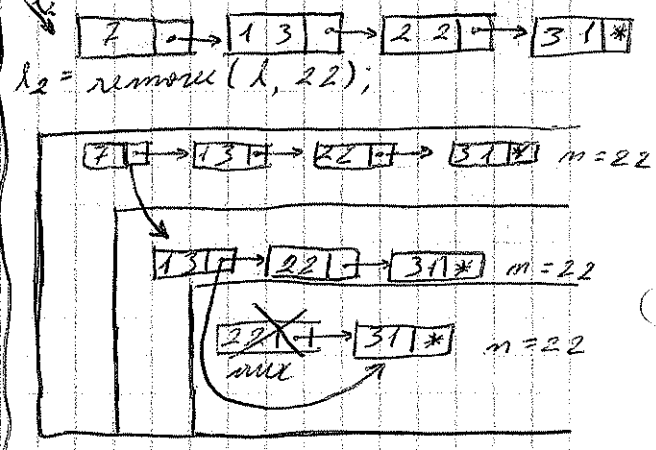
remove: [Int] -> Int -> [Int]
remove [ ] = [ ]
remove (x:xs) e
  | x == e = xs
  | otherwise = x:(remove xs e)
  
```

Ling. C

```

L Int remove (L Int l, int m)
  { L Int aux;
    if (! l || (l->nodes > m))
      return l;
    else
      if (l->nodes == m)
        { aux = l->seg;
          free(l);
          return aux;
        }
      else
        { l->seg = remove(l->seg, m);
          return l;
        }
  }
  
```

Ex:



```

L Int
void destroy(L Int l)
  { if (l)
    { destroy(l->seg);
      free(l);
    }
  }
  
```

