

LCC-TP3 - (3) 12/03/2010

Jose Guomero - 43224

Programas Imperativa

TP - 12-3-2010

```
int expit (int a, int b)
{
    int aux = 1;
    while (b > 0)
    {
        aux *= a;
        b--;
    }
    return aux;
}
```

```
int exprec (int a, int b)
{
    if (b == 0)
        return 1;
    else return a * exprec(a, b-1);
}
```

```
int somaparit (int n)
{
    int soma = 0;
    while (n > 0)
    {
        if (n % 2 == 0)
            soma += n;
        n--;
    }
    return soma;
}
```

```
int somaparec (int n)
{
    if (n == 0)
        return n;
    else if (n % 2 == 0)
        return n + somaparec(n-1);
    else return somaparec(n-1);
}
```

```
int somaseq (int A [], int dim)
```

```
{
  int i = 0;
```

```
  int a = 0;
```

```
  while (i < dim)
```

```
  {
```

```
    a += A[i];
```

```
    i++;
```

```
  }
```

```
  return a;
```

```
}
```

```
int somarec (int A [], int dim)
```

```
{
```

```
  if (dim == 0)
```

```
    return 0;
```

```
  else return A[dim-1] + somarec (A, dim-1);
```

```
}
```

```
int capicoma (char *s)
```

```
{
```

```
  int tam = strlen(s);
```

```
  int i = 0, ecapicoma = 1;
```

```
  while (i != tam/2) && ecapicoma
```

```
  {
    if (s[i] != s[tam-1-i])
```

```
      ecapicoma = 0;
```

```
    i++;
```

```
  }
```

```
  return ecapicoma;
```

```
}
```