

while (<cond>)

```
{
  <ação>
}
```

Prog. Escreve no monitor os caracteres ASCII com códigos entre

32 e 255.

```
#include <stdio.h>
```

```
int main ()
```

```
{
  char c=32;
```

```
  while (c <= 255)
```

```
  {
    printf ("%d - %c\n", c, c);
```

```
    c++;
```

```
  }
  return 1;
```

```
}
```

escreveChar(c);

```
void
int escreveChar (char l)
```

```
{
  if (l <= 255)
```

```
  {
    printf ("%d - %c\n", l, l);
```

```
    escreveChar (l+1);
```

```
  }
```

$$fib(n) = \begin{cases} n=0 \Rightarrow 1 \\ n=1 \Rightarrow 1 \\ n>1 \Rightarrow fib(n-1) + fib(n-2) \end{cases}$$

Atual:

$a = a + 1;$	$—$	$a++;$
$a = a - 1;$	$—$	$a--;$
$a = a + 6;$	$—$	$a += 6;$
$a = a - 7;$	$—$	$a -= 7;$

```

int fib (int n)
{
  if ((n == 0) || (n == 1))
    return 1;
  else
    return fib(n-1) + fib(n-2);
}

```

$$\text{fact}(n) = \begin{cases} n=1 \Rightarrow 1 \\ n>1 \Rightarrow n * \text{fact}(n-1) \end{cases}$$

```

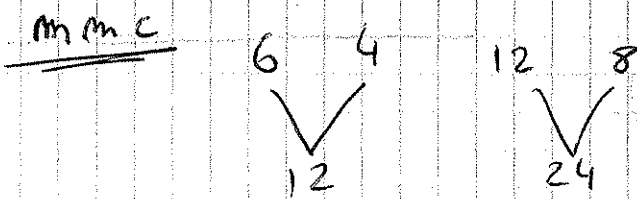
int fact (int n)
{
  if (n == 1)
    return 1;
  else
    return n * fact(n-1);
}

```

```

int fact (int n)
{
  int res = 1;
  while (n > 1)
  {
    res = res * n;
    n--;
  }
  return res;
}

```



```

int mmc ( int a, int b )
{
  if (a % b == 0)
    return a;
  else
    return mmc(a, b);
}

```

(pre- and: a > b)

```

return mmc aux (a, b, a);

```

```

int mmc aux (int a, int b, int inc)
{
  if (a % b == 0)
    return a;
  else
    return mmc aux (a + inc, b, inc);
}

```

```

int minc (int a, int b)
{
  int res = a, inc = a;
  while (a % b != 0)
    a = a + inc;
  return a;
}

```

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$$2 \times 8^0 + 3 \times 8^1 + 2 \times 8^2 = \dots \times 10$$

```

int ord (int a, b)
{
}

```

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