



CMOS

# Porque?

“Uma maneira não só de fazer um código e sim uma obra de arte”

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É uma linguagem para os amantes da língua  
portuguesa e de poesia, se é que podemos chamar  
disso



# Diferenciais:

# Prosódia:

trâmite

manifesto

prelúdio morfema

manifesto peroração

morfema epílogo

durante o átimo de

na conjuntura de

permuta

caso adverso

# Prosódia:

function

def main()

{

end main()

}

while

if

;

else

# Operadores:

apenso

ífero

ínfepar

(des)par

merma

amiudado

comensurado

mor(par)

div



# Operadores:

+

<

<=

!=

-

\*

=

>=

/

# Exemplos:

## declaração de função

```
C++:  
void smile(){  
    printf (":");  
}
```

```
CMOS:  
tramite smile() preludio morfema  
    printc (":") permuta  
    printc ("") permuta  
morfema epilogo
```

## cálculo fatorial

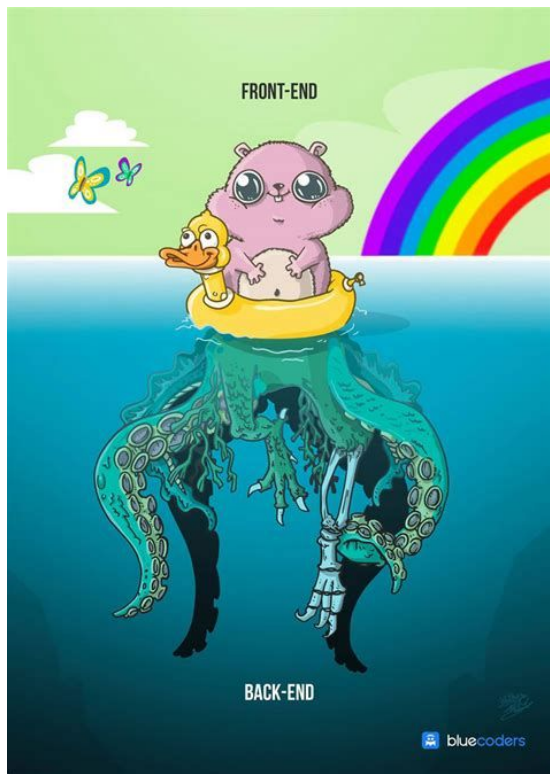
```
C++:  
while (c > 1) {  
    resp*=c;  
    c--;  
}
```

```
CMOS:  
durante o atimo de ($c mor 1) preludio morfema  
    $fac comensurado $fac amiudado $c permuta  
    $c comensurado $c merma 1 permuta  
morfema epilogo
```

# Compilador:

# LLVM:



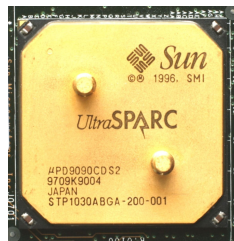


Clang

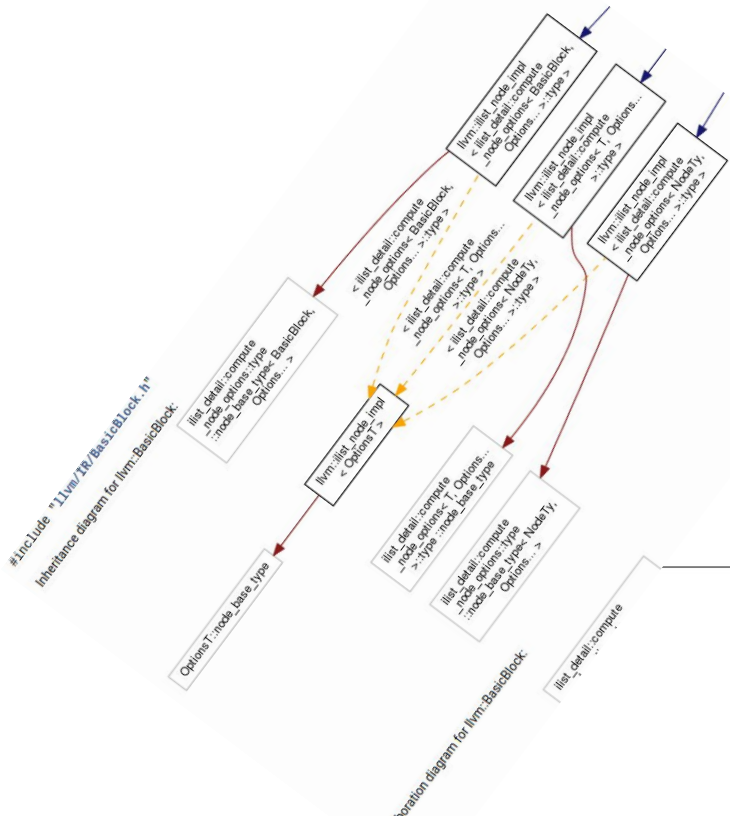


## Yet Another Compiler-Compiler

IR



# Back-end:



## 404 Not Found

nginx/1.4.6 (Ubuntu)

```

Classes
class ProfileCount
    Class to represent profile counts. More...

Public Types
enum ProfileCountType { PCT_Invalid, PCT_Real, PCT_Synthetic }
using BasicProfileCountType = SymbolTable::BasicCount
using const_iterator = BasicProfileCountType::const_iterator
using const_iterator = Argument * BasicProfileCountType::const_iterator
using const_iterator = Argument * BasicProfileCountType::const_iterator

Public Types inherited from llvm::GlobalObject
An enumeration for the kinds of linkage for global values. More...
Storage classes of global values for PE targets. More...

Public Types inherited from llvm::Value
Concrete subclass of this. More...

Public Member Functions
    base

```

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```

TS
bool hasLayArguments () const
    hasLayArguments CheckLayArguments - The
const function &
    Function (const function &) delete
    -Function ()
    void
    operator ()
    unsigned
    DECLARE_TRANSPARENT_OPERAND_ACCESSORS (Value)
    getInstructionsCount () const
    Returns the number of non-debug IR instructions in this function. Make

```

# IR

## (Intermediate Representation):

```
@.str = internal constant [14 x i8] c"hello, world\0A\00"

declare i32 @printf(i8*, ...)

define i32 @main(i32 %argc, i8** %argv) nounwind {
entry:
    %tmp1 = getelementptr [14 x i8], [14 x i8]* @.str, i32 0, i32 0
    %tmp2 = call i32 (i8*, ...) @printf( i8* %tmp1 ) nounwind
    ret i32 0
}
```