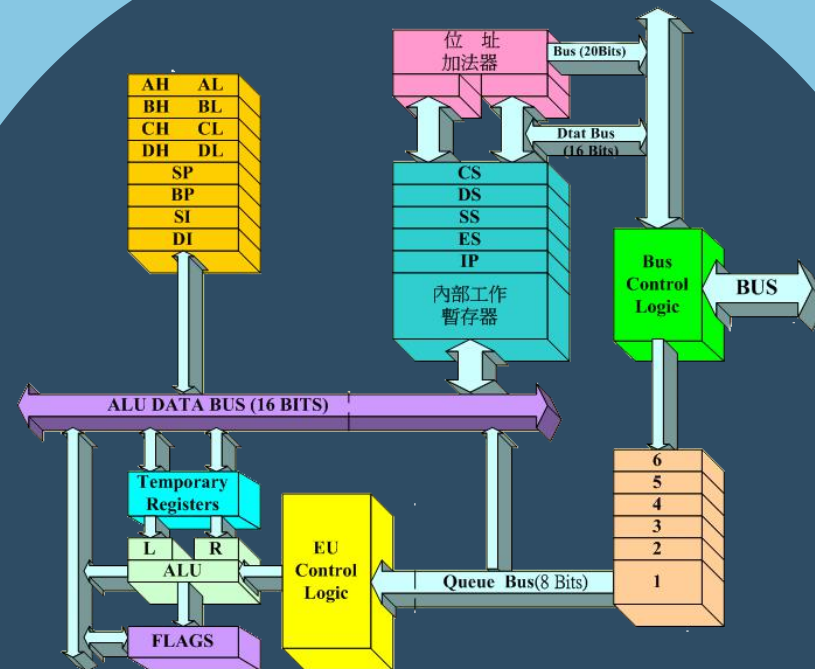


宏库

贺利坚 主讲



汇编语言程序设计
Assembly Language

宏库：将用到的宏定义分类放到不同的宏库文件中

建立宏库MACRO.MAC

```
macro1  MACRO    [哑元表]
.....
ENDM

macro2  MACRO    [哑元表]
.....
ENDM

macroN  MACRO    [哑元表]
.....
ENDM
```

在程序中包含宏库并调用宏

```
include  MACRO.MAC
.....
macro1  [实元表]
.....
macro2  [实元表]
.....
macroN  [实元表]
.....
```

实例：

```
include asmio.mac
datas segment
    string db 'hello world',13,10,'$'
datas ends
codes segment
    assume cs:codes,ds:datas
start:
    mov ax,datas
    mov ds,ax
    output string
    mov ah,4ch
    int 21h
codes ends
end start
```

ptest.asm

```
input macro
    mov ah,01h
    int 21h
endm
output macro addr
    mov dx,offset addr
    mov ah,09h
    int 21h
endm
mult macro mult1,mult2,mult3
    local lop,exit1
    mov dx,mult1
    mov cx,mult2
    xor ax,ax
    jcxz exit1
lop:
    add ax,dx
    loop lop
exit1:
    mov mult3,ax
endm
```

asmio.mac