



# *INFORMATICA I*

*Incremento de punteros*

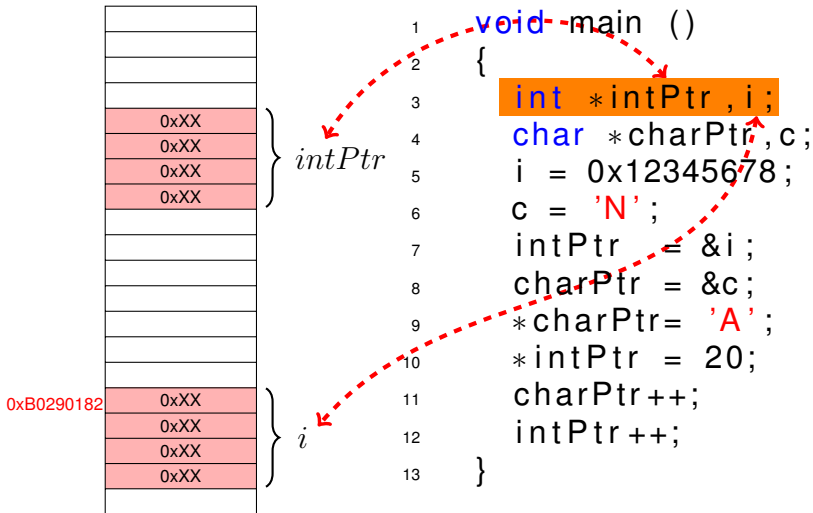
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*Universidad Tecnológica Nacional  
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Departamento de Ingeniería Electrónica*

21 de mayo de 2019

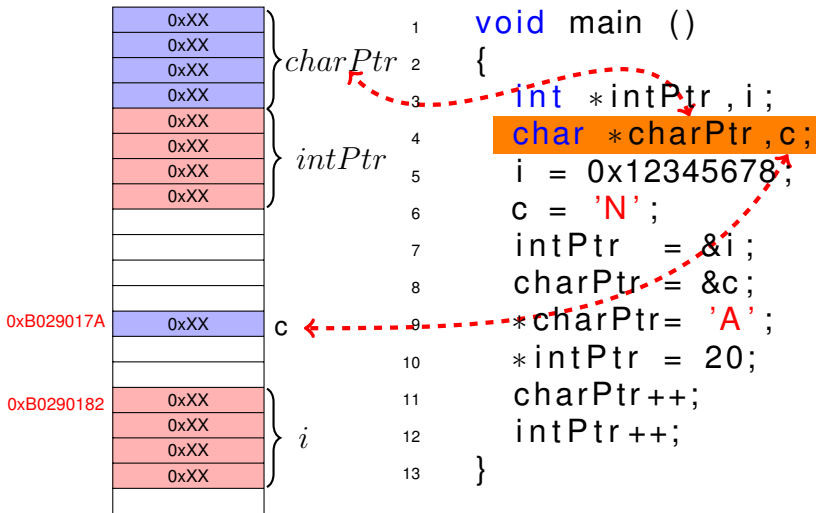
MEMORIA en  
ARQUITECTURA x86 32-bits

PROGRAMA FUENTE



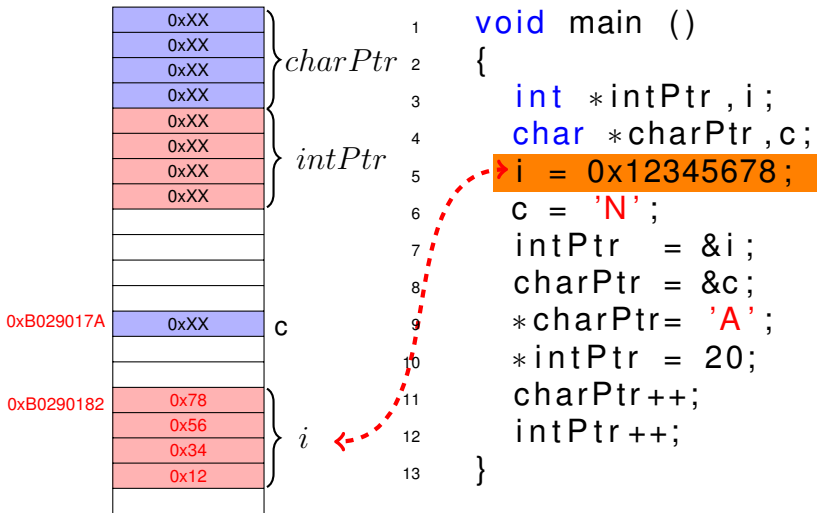
MEMORIA en  
ARQUITECTURA x86 32-bits

PROGRAMA FUENTE



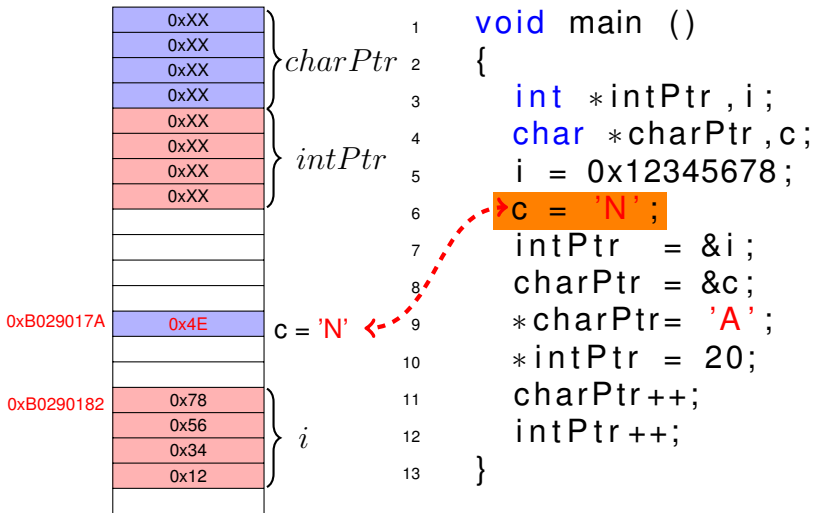
MEMORIA en  
ARQUITECTURA x86 32-bits

PROGRAMA FUENTE



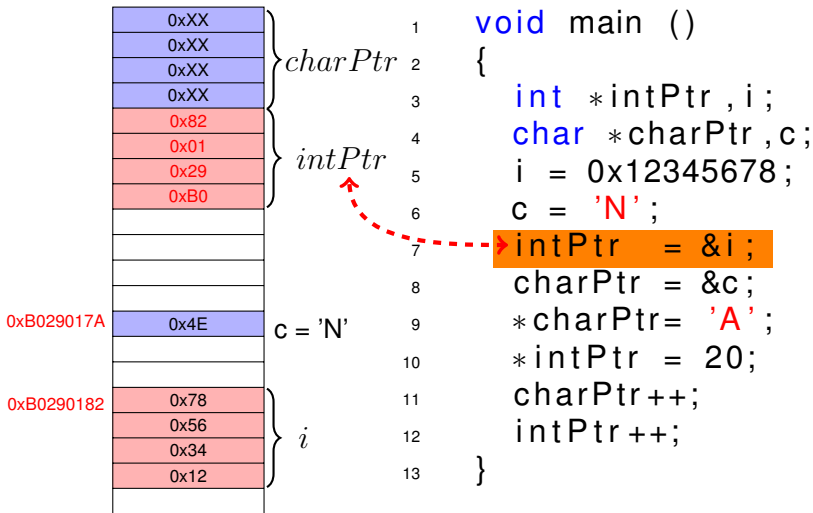
MEMORIA en  
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PROGRAMA FUENTE



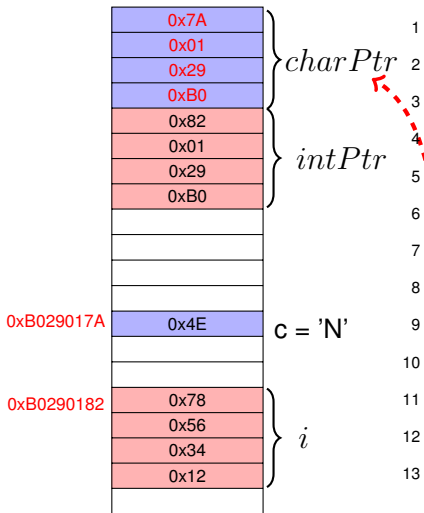
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ARQUITECTURA x86 32-bits

PROGRAMA FUENTE



MEMORIA en  
ARQUITECTURA x86 32-bits

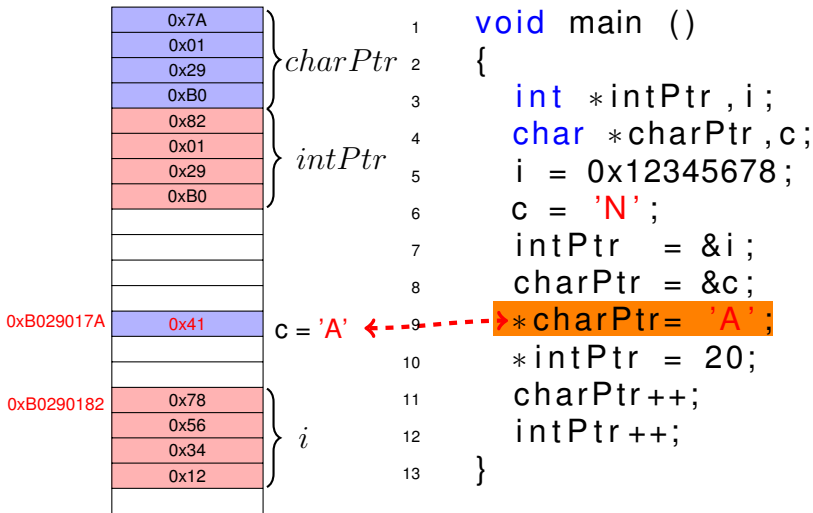
PROGRAMA FUENTE



```
1 void main ()
2 {
3     int *intPtr , i;
4     char *charPtr , c;
5     i = 0x12345678;
6     c = 'N';
7     intPtr = &i;
8     charPtr = &c;
9     *charPtr = 'A';
10    *intPtr = 20;
11    charPtr++;
12    intPtr++;
13 }
```

MEMORIA en  
ARQUITECTURA x86 32-bits

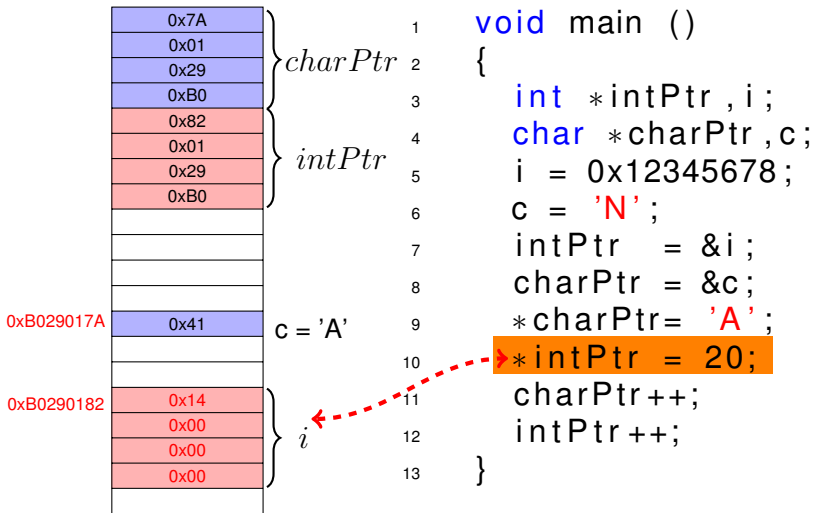
PROGRAMA FUENTE





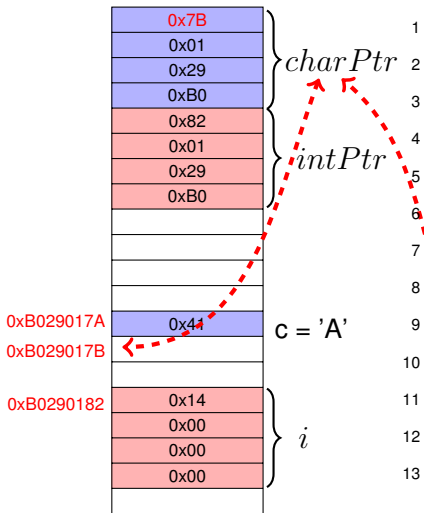
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PROGRAMA FUENTE



MEMORIA en  
ARQUITECTURA x86 32-bits

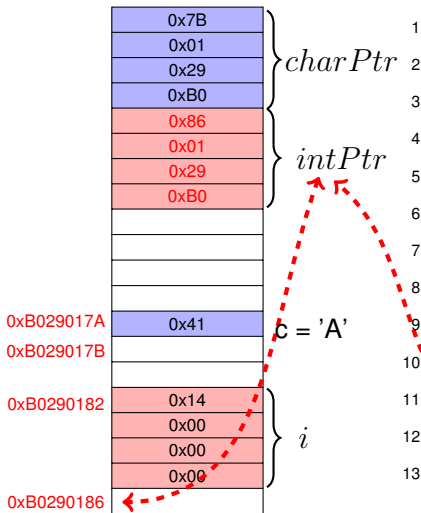
PROGRAMA FUENTE



```
void main ()
{
    int *intPtr , i;
    char *charPtr , c;
    i = 0x12345678;
    c = 'N';
    intPtr = &i;
    charPtr = &c;
    *charPtr = 'A';
    *intPtr = 20;
    charPtr++;
    intPtr++;
}
```

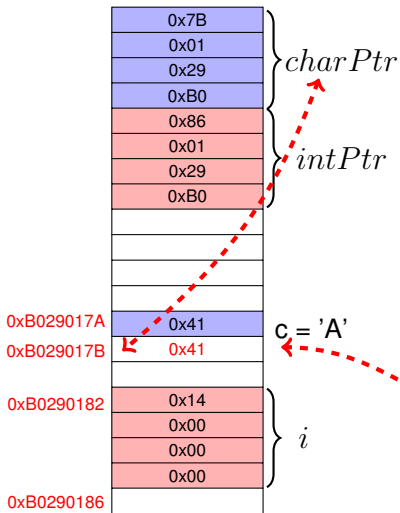
MEMORIA en  
ARQUITECTURA x86 32-bits

PROGRAMA FUENTE



```
void main ()  
{  
    int *intPtr , i ;  
    char *charPtr , c ;  
    i = 0x12345678 ;  
    c = 'N' ;  
    intPtr = &i ;  
    charPtr = &c ;  
    *charPtr = 'A' ;  
    *intPtr = 20 ;  
    charPtr ++ ;  
    intPtr ++ ;  
}
```

MEMORIA en  
ARQUITECTURA x86 32-bits



PROGRAMA FUENTE

```
1 void main ()
2 {
3     int *intPtr , i;
4     char *charPtr , c;
5     i = 0x12345678;
6     c = 'N';
7     intPtr = &i;
8     charPtr = &c;
9     *charPtr = 'A';
10    *intPtr = 20;
11    charPtr++;
12    intPtr++;
13    *charPtr = 'A';
14 }
```

# Algunas reglas para recordar !!!

```
int A;  
int *p;
```

$\underbrace{p}_{int*} = \underbrace{\&A}_{int}$ ;

$\underbrace{A}_{int} = \underbrace{7}_{int}$ ;

$\underbrace{*p}_{int} = \underbrace{7}_{int}$ ;

```
int V[] = {10, 20};  
int *p;
```

$\underbrace{p}_{int*} = \underbrace{\&V[0]}_{int}$ ;

$\underbrace{V[1]}_{int} = \underbrace{7}_{int}$ ;

$\underbrace{*(p + 1)}_{int} = \underbrace{7}_{int}$ ;