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Subject: Re: How to change the increment of FOR loop?  
Posted by [Foldy Lajos](#) on Wed, 11 Mar 2009 21:24:26 GMT  
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On Wed, 11 Mar 2009, Hu wrote:

```
> Hi, there
> I got a question relating to the variational increment of FOR
> Statement. I used the code like this:
> ;; begin
> increment =20
> FOR j = 0, N-1, increment DO BEGIN
>   IF a gt 0 THEN BEGIN
>     ;.....
>     increment=10
>   ENDIF ELSE BEGIN
>     ;.....
>     increment=12
>   ENDELSE
> ENDFOR
> ;; end
>
> But the increment have not changed according to IF... ELSE ...
> statement..
> What I want is to change the increment according to different
> conditions. that is, if variable a is greater than 0, the increment of
> the FOR loop will be 10 , not its default value 20.....
>
> Is there any solution to this problem?
```

increment is evaluated only once, before the loop starts (and it is copied to a temporary variable you can not reach). You have to create a loop manually:

```
j=0
increment=20
while 1 do begin

  IF a gt 0 THEN BEGIN
    ;.....
    increment=10
  ENDIF ELSE BEGIN
    ;.....
    increment=12
  ENDELSE
```

```
j=j+increment
if j ge n then break
```

endwhile

regards,  
lajos

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Subject: Re: How to change the increment of FOR loop?  
Posted by [Hu](#) on Wed, 11 Mar 2009 21:42:40 GMT  
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On Mar 11, 4:24 pm, FÖLDY Lajos <fo...@rmki.kfki.hu> wrote:

> On Wed, 11 Mar 2009, Hu wrote:

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>> I got a question relating to the variational increment of FOR

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>> increment=20

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>> increment=12

>> ENDELSE

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```
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>      ENDIF ELSE BEGIN
>      ;.....
>      increment=12
>      ENDELSE
>
> j=j+increment
> if j ge n then break
>
> endwhile
>
> regards,
> lajos
```

thank you very much  
wishes

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Subject: Re: How to change the increment of FOR loop?  
Posted by [Allan Whiteford](#) on Thu, 12 Mar 2009 12:24:39 GMT  
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Füzü LDY Lajos wrote:

```
>
> On Wed, 11 Mar 2009, Hu wrote:
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```

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>     ;.....
>     increment=12
>   ENDELSE
>
>   j=j+increment
>   if j ge n then break
>
> endwhile
>
>
> regards,
> lajos

```

Although probably something like:

```

j=0
increment=20
while ((j+=increment) lt n) do begin

```

```

    IF a gt 0 THEN BEGIN
        ;.....
        increment=10
    ENDIF ELSE BEGIN
        ;.....
        increment=12
    ENDELSE

```

```

endwhile

```

is easier to recognise as a "loop" from the point of view of understanding the code later for maintenance.

Thanks,

Allan

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---

Subject: Re: How to change the increment of FOR loop?

Posted by [Foldy Lajos](#) on Fri, 13 Mar 2009 10:31:00 GMT

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On Thu, 12 Mar 2009, Allan Whiteford wrote:

> FÖLDY Lajos wrote:

>>

>> On Wed, 11 Mar 2009, Hu wrote:

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>>> I got a question relating to the variational increment of FOR

>>> Statement. I used the code like this:

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>>> increment=12

>>> ENDELSE

>>> ENDFOR

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>> IF a gt 0 THEN BEGIN

```
>> ;.....
>> increment=10
>> ENDIF ELSE BEGIN
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>> increment=12
>> ENDELSE
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```
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>> if j ge n then break
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```
>>
>>
>> regards,
>> lajos
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> while ((j+=increment) lt n) do begin
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> IF a gt 0 THEN BEGIN
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> ENDELSE
```

```
>
> endwhile
```

```
>
> is easier to recognise as a "loop" from the point of view of understanding
> the code later for maintenance.
```

It is not the same loop :-) j starts from increment insted of 0. In this form you should use j=-increment.

regards,  
lajos

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