
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
