Thanks Helder, your example it makes sense but still something confuses me.

I had the following procedure

```
PRO TEST
 while iter_lim_count lt iter_lim do begin
    for m=0L,nB-1 do begin
    for n=0L,nB-1 do begin
      A[m,n]+=X
 tmp =
 B[m,n] = (tmp - init)/X
 A[m,n]-=X
   endfor
   endfor
     while tmp GT init do BEGIN
 PRINT,'WHILE LOOP'
   beta_test = beta_test*2.
   A_test = B - beta_test*B
   if beta_test LT 0.5 then return
 ENDWHILE
 PRINT,'EXIT WHILE LOOP'
     A = A_test
 iter_lim_count = iter_lim_count+1
 endwhile
END
```

The only thing I've changed is to split the whole procedure into two parts and call them in the TEST pro.

```
PRO TESTING_A
  for m=0L,nB-1 do begin
    for n=0L,nB-1 do begin
      A[m,n]+=X
 tmp =
 B[m,n] = (tmp - init)/X
 A[m,n]-=X
   endfor
   endfor
END
```

```
PRO TESTING_beta
 while tmp GT init do BEGIN
 PRINT,'WHILE LOOP'
   beta_test = beta_test*2.
```

```
    A_test = B - beta_test*B
    if beta_test LT 0.1 then return
 ENDWHILE
PRINT,'EXIT WHILE LOOP'
    A = A_test
END


PRO TEST
while iter_lim_count lt iter_lim do begin
TESTING_A
TESTING_beta
iter_lim_count = iter_lim_count+1
endwhile
END
```

I noticed that in the TESTING_beta pro the 'WHILE LOOP' was printing but the 'EXIT WHILE LOOP' never prints out. I am confused because before that I had everything in one function both 'WHILE LOOP' and 'EXIT WHILE LOOP' are printed out. Why now the 'EXIT WHILE LOOP' does not printed out?