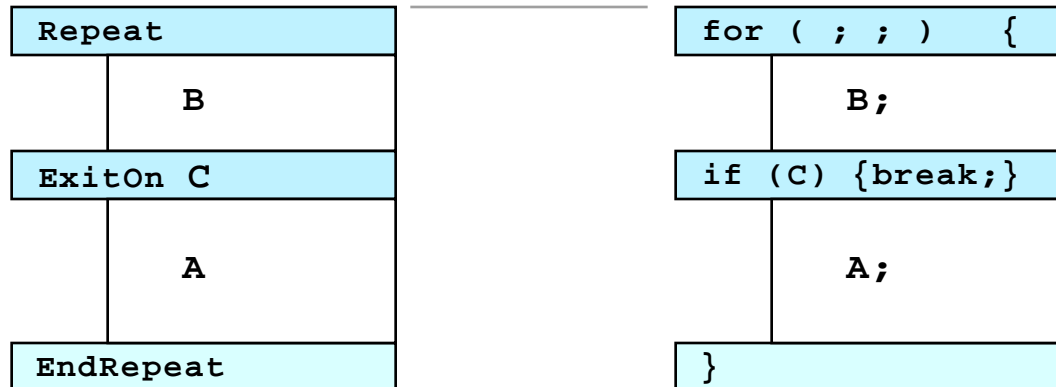


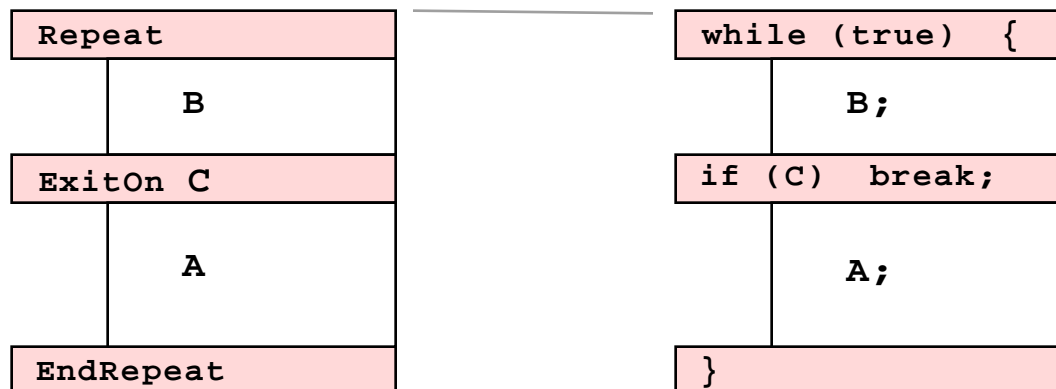
Converting the Repeat form to Java (or C,C++)

(two ways to do this are show below)

1. Converting the Repeat form into a For form



2. Converting the Repeat form into a While form



```
-- Average many real values
-- ending with negative terminator
Set sum = 0.0 -- real value
Set num = 0 -- int count

Repeat
  Output "Enter value "
  Input value
ExitOn (value < 0.0)
  Outputln value
  Set sum = sum + value -- Inc
  Inc num by 1
EndRepeat

Output "The mean is "
Outputln sum / IntToReal (num)
```

```
// Average many real values
// ending with negative terminator
sum = 0.0 // real value
num = 0 // int count

for ( ; ; ) {
  System.out.print ("Enter value ");
  value = getReal(); // need method
  if (value < 0.0) {break;}
  System.out.println (value);
  sum = sum + value; // Inc
  num ++;
} // EndRepeat

System.out.print ( "The mean is ");
System.out.println (sum / (double) (num) );
```