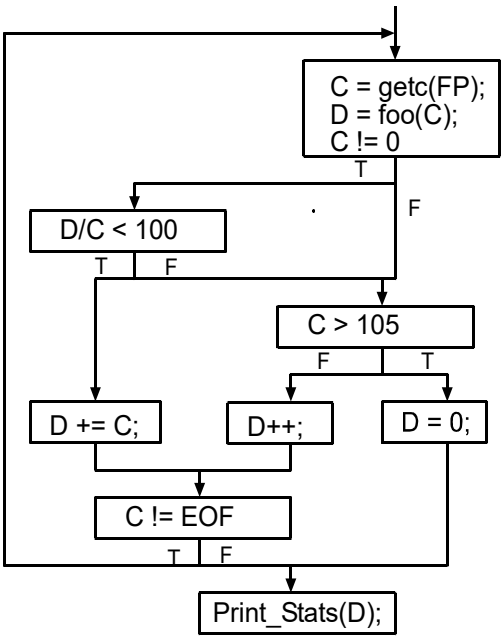
Problem FC-12 (2 parts) **Nonlocal Control Flow**

Part A: Draw the control flow graph corresponding to the following C code fragment. Be sure to draw the control flow determined by the compound predicate and the break.

```
do {
   C = getc(FP);

   D = foo(C);
   if (C != 0 && (D/C < 100))
      D += C;
   else if (C > 105) {
      D = 0;
      break;
   } else
      D++;
} while (C != EOF);
Print_Stats(D);
```



Part B: Draw the control flow graph corresponding to the following C code fragment. Be sure to draw the control flow determined by the `continue` and `break` statements.

```
for (J = 100; J > 0; J--) {
   if (A[J] > 99)
      continue;
   else if (A[J] > B[J])
      break;
   else
      B[J+1] = 0;
   }
J = B[0];
```