

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];
```