Problem FC-5 (2 parts)

Part A 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.

```c
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];
```

Part B Write the C code fragment that corresponds to this control flow graph. Where possible, compress nested if-then-else constructs into a flat if-then-else using compound logical predicates.

```
Equivalent C code fragment:

if ((x>0) && ((y<1) || (z==8)))
    z = y/x;
else
    x = y*z;
```