

## Mini Quiz 23

[github.com/6035/sp22](https://github.com/6035/sp22)

Name: \_\_\_\_\_

Kerberos username (omit @mit.edu): \_\_\_\_\_

Consider the following program:

```
i = 0;
a = 0;
while (i < 5) {
    j = i*4 + 5;
    x = a + 1;
    i = i + 1;
}
```

Q: Draw the CFG corresponding to the code and identify any loop invariant code.

Q: Rewrite the program after performing strength reduction.