

Exercise. Consider the code for the following program. Using the rules for NullPointerAnalysis given in class, annotate each node in the CFG of `testMethod` with the corresponding solution set. Note that the domain for the solutions is the set of variables which might be null at the corresponding node.

```
public static void main(String[] args) {
    testMethod("Hello", null);
}

static Object testMethod(Object o, Object p) {
    Object q = getNextObject();
    if(o == null)
        if(p != null)
            q = p;
    if(p == null)
        if(o != null)
            q = o;
    print(p.toString);
    return q;
}

static Object getNextObject() {
    long time = System.currentTimeMillis();
    if((time % 2) == 0)
        return testMethod(null, "World");
    else {
        return "Odd";
    }
}
```