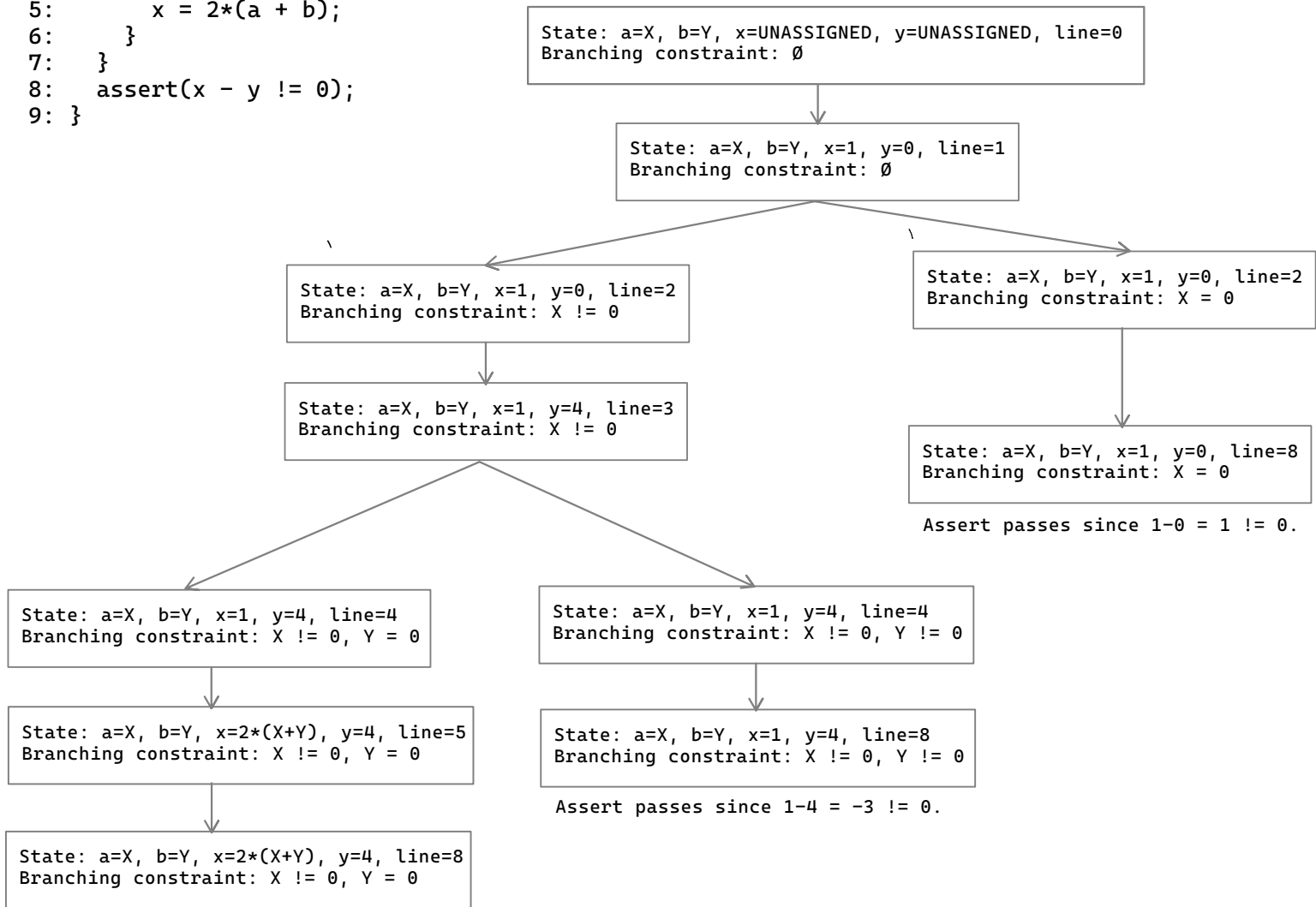


```

0: void foobar(int a, int b){
1:   int x = 1, y = 0;
2:   if(a != 0){
3:     y = 3 + x;
4:     if(b == 0){
5:       x = 2*(a + b);
6:     }
7:   }
8:   assert(x - y != 0);
9: }

```



Assert is fails iff

$$2(X + Y) - 4 = 0$$

Reduce to get

$$X = 2$$

Conclusion: assert fails iff  $(X, Y) = (2, 0)$