

# Proof Tree

```
int x;
```

```
    x = 2;
```

```
    bool x = false && x;
```

```
    y = y++ + ++y;
```

```
}
```

```
x = y;
```

\* Assume Start Value of x is 3

$$\frac{\frac{x}{\gamma x : \text{int}} \quad \frac{y}{\gamma x = y}}{\Downarrow x = 2, x = \text{false} \&\& : \text{bool}} + \frac{y}{\Downarrow y : y++ + ++y}$$

Answer :

x = 2

y = 3 + 4

**x = 7**