

proof Tree

```
int x;  
{  
  x = 2;  
  bool x = false && x;  
  y = y++ + ++y;  
}  
x = y;
```

* Assume start value of
is 3.

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

Ans

$x = 2$

$y = 3 + 4$

$x = 7$