

# TEST 4

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The program below is a sequence of quadruples corresponding to the source program assignment

write( (x + 1 + y) \* (x + 1) )

Show which variables are live at each point in the program, given that none are live at the end.

x y	⇐ Which variables are live here?
t1 = x + 1	
t1 x y	⇐ Which variables are live here?
t2 = t1 + y	
t1 t2 x	⇐ Which variables are live here?
t3 = x + 1	
t1 t2	⇐ Which variables are live here?
t4 = t2 * t1	
t4	⇐ Which variables are live here?
write(t4)	
	⇐ No variables are live here