Problem: Place the following in 1D.

A=i0+i1
B=i1+i2
C=i2+i3
G=A*B
H=B*C
O=G+H

Assume i0, i1 enter from left side, i2, i3 enters from right, and O exits to the right.

What is the:

- Channel Width
- Wire Length
- Squared Wire Length
- Critical Path Length (assuming gates cost unit delay and its costs unit delay to cross each position)