CIS 788 VLSI Computer Aided Design

Homework 1

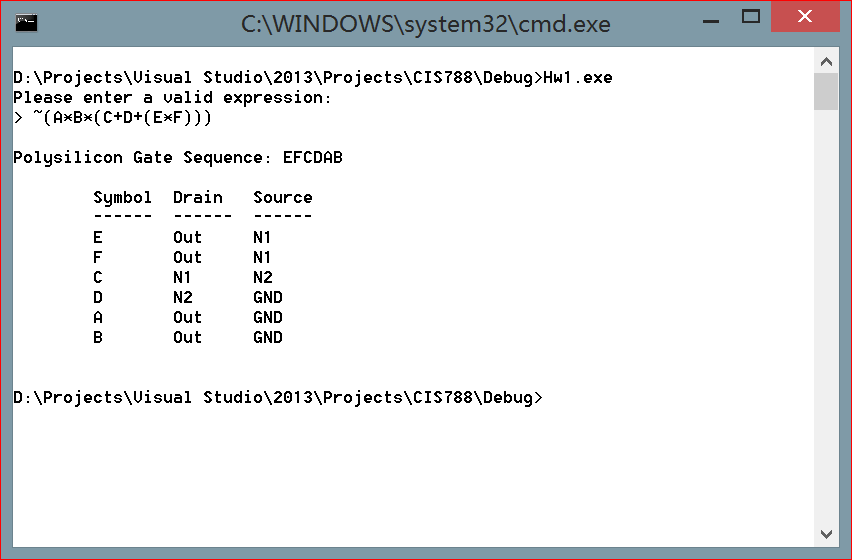
Aifeng Yun

2014/10/8

# Test Case 1

Input: ~(A\*B\*(C+D+(E\*F)))

Output:



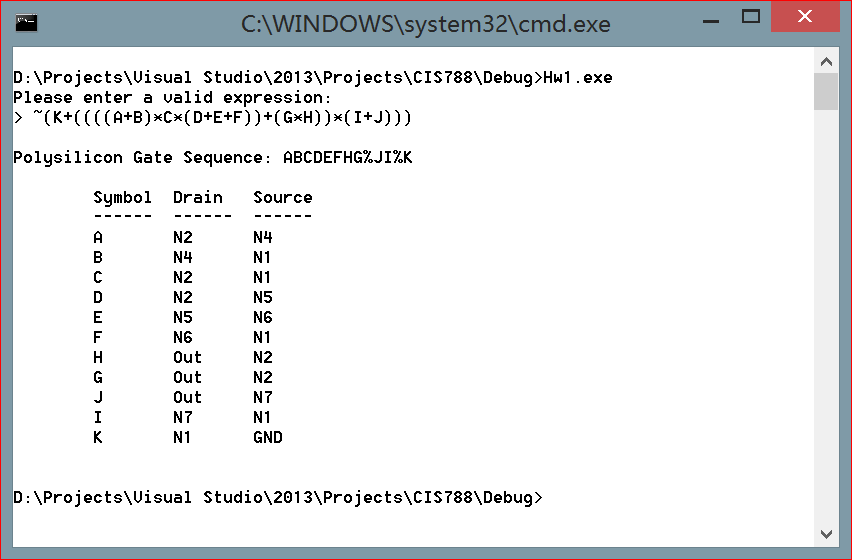
Netlist Graph:



# Test Case 2

Input: ~(K+((((A+B)\*C\*(D+E+F))+(G\*H))\*(I+J)))

Output:



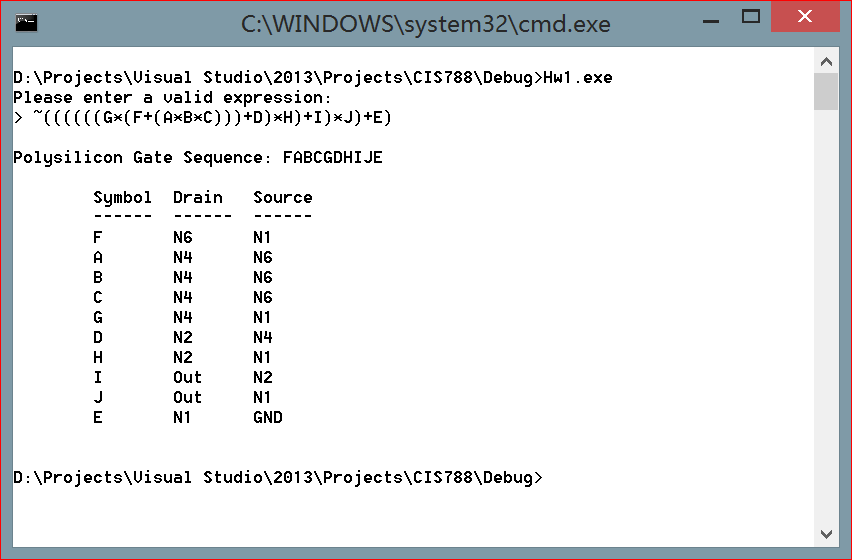
Netlist Graph:



# Test Case 3

Input: ~((((((G\*(F+(A\*B\*C)))+D)\*H)+I)\*J)+E)

Output:

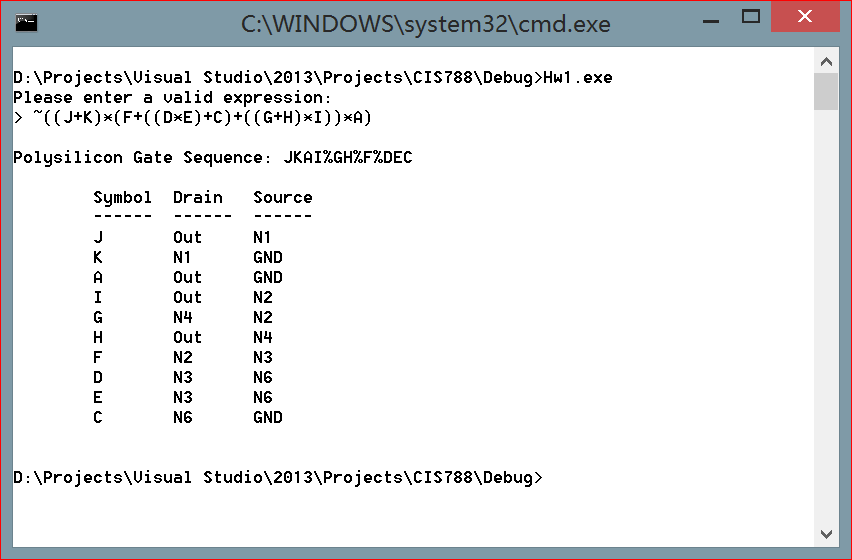


Netlist Graph:

# Test Case 4

Input: ~((J+K)\*(F+((D\*E)+C)+((G+H)\*I))\*A)

Output:



Netlist Graph: