

Assignment4

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October 2023

1 Student Details

My roll number ends with 29. So, the value of nn is 29.

Function	Delay(in ps)
AND	329
A+B.C	429
XOR	658
A.B+C.(A+B)	658

Table 1:

2 Architecture

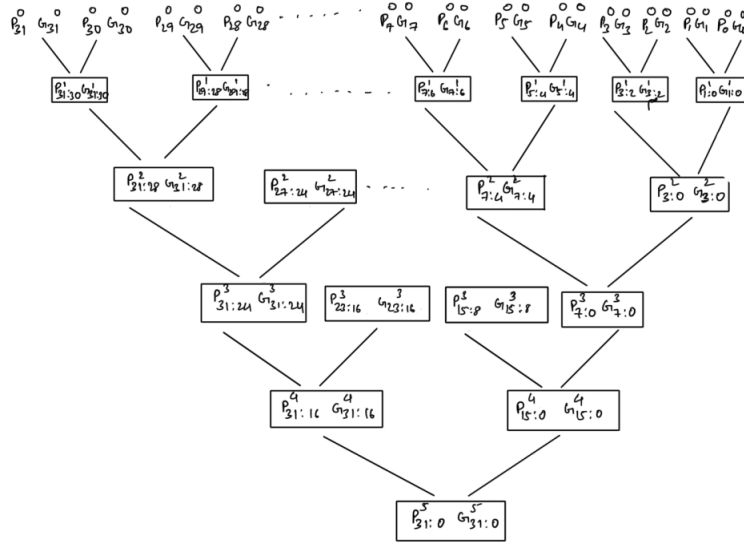


Figure 1: 32-bit BrentKung adder architecture

3 Netlist

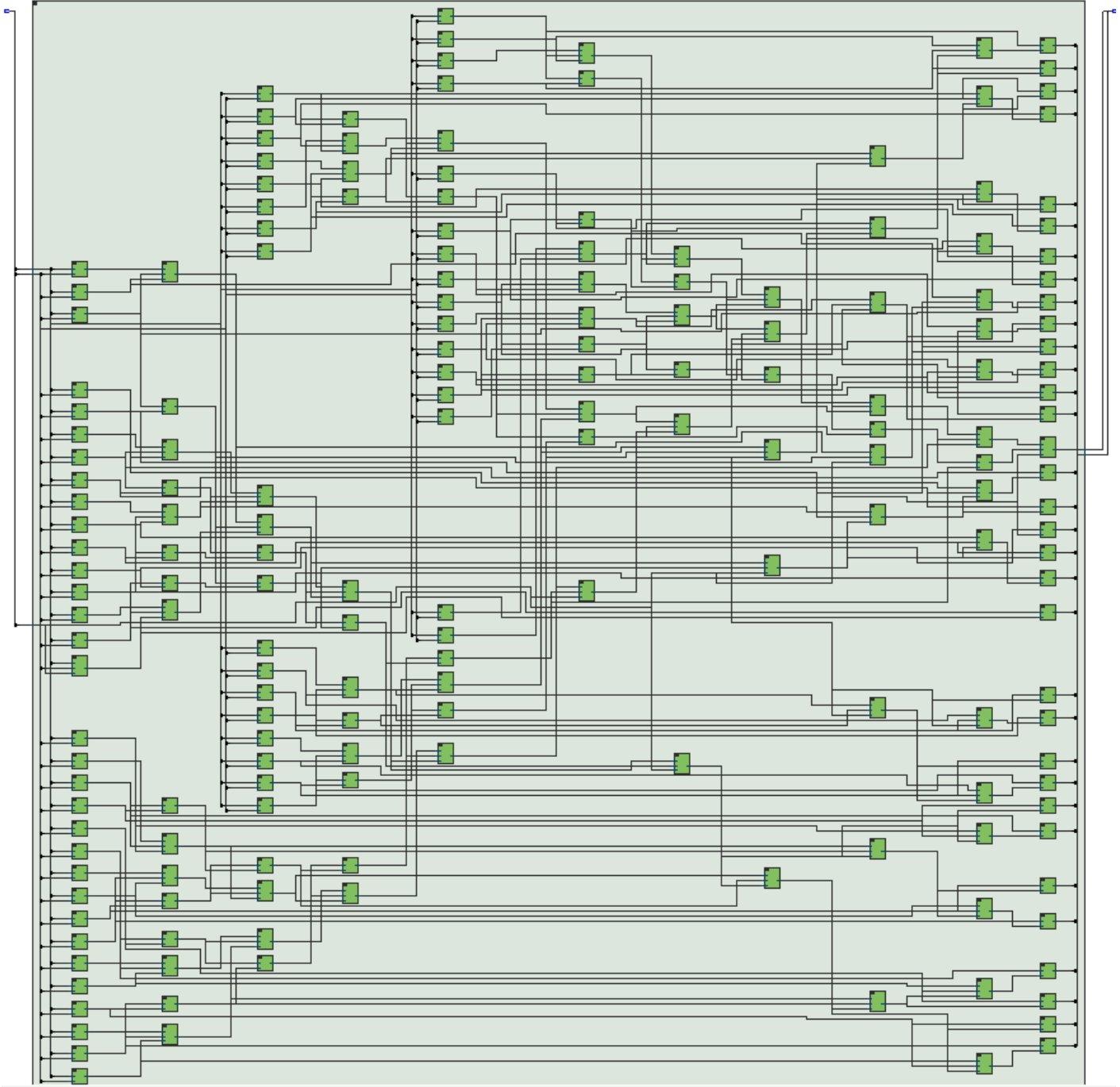


Figure 2: Generated Netlist

4 Register Transfer Level Simulation



Figure 3: Register Transfer level view

5 Gate level Simulation

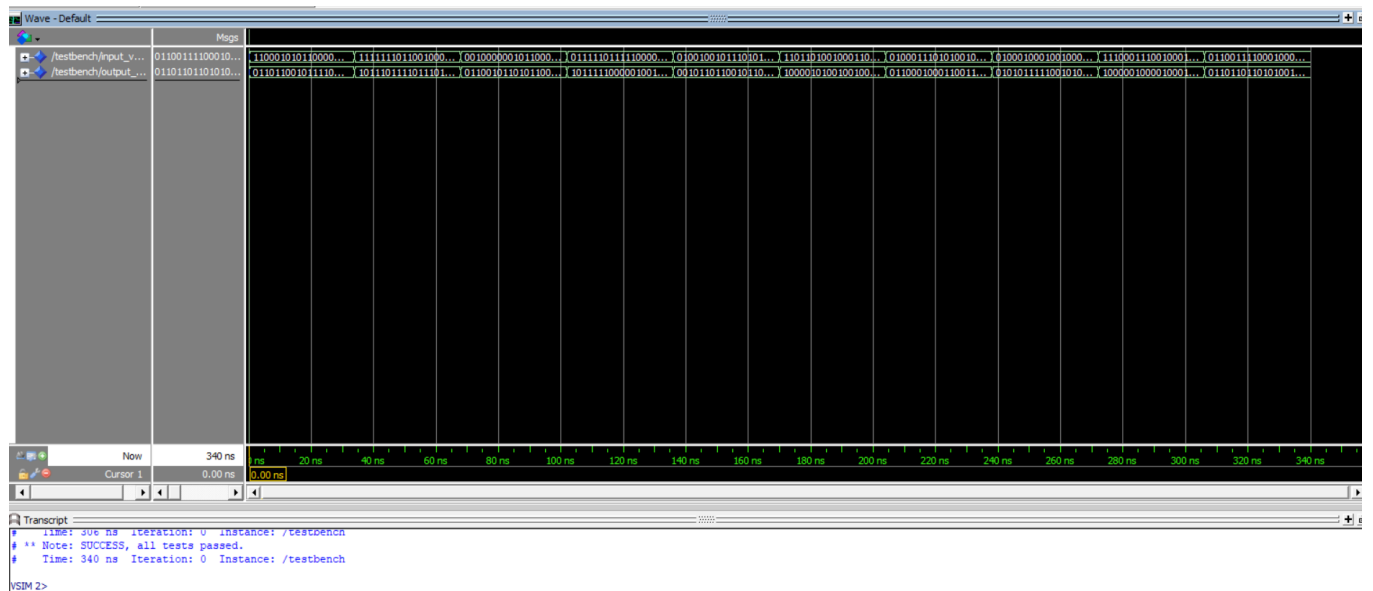


Figure 4: Gate Level Simulation