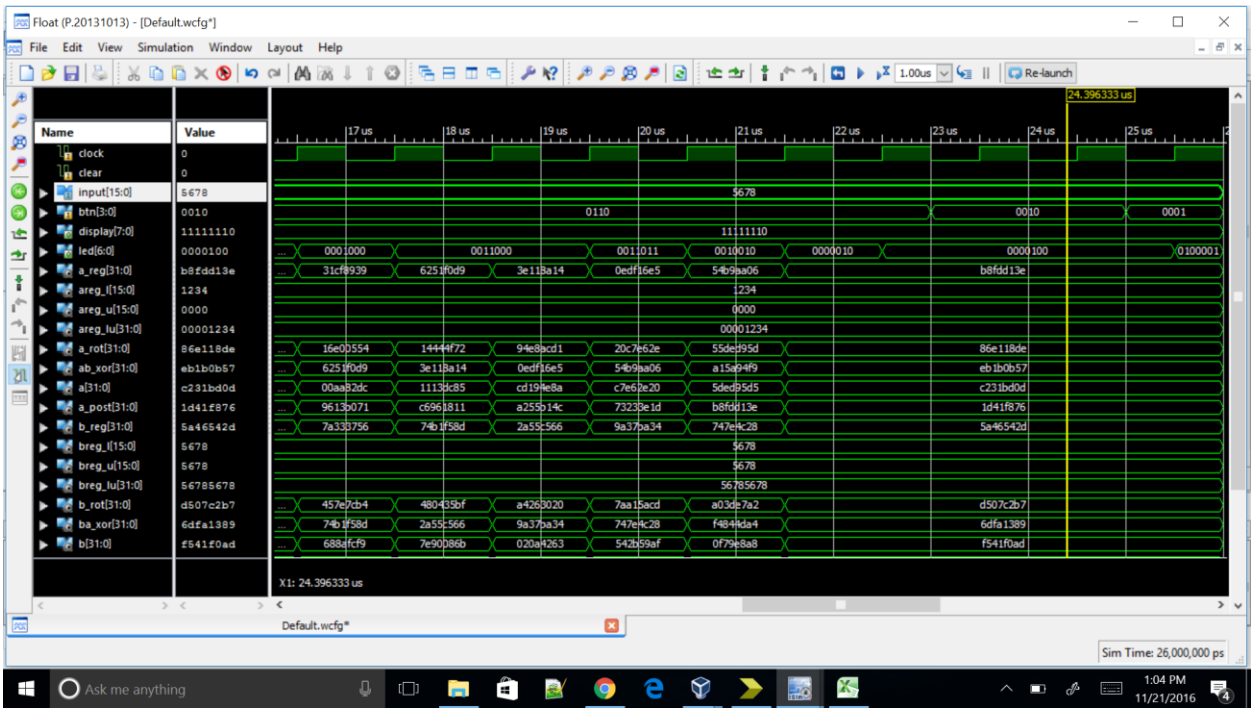
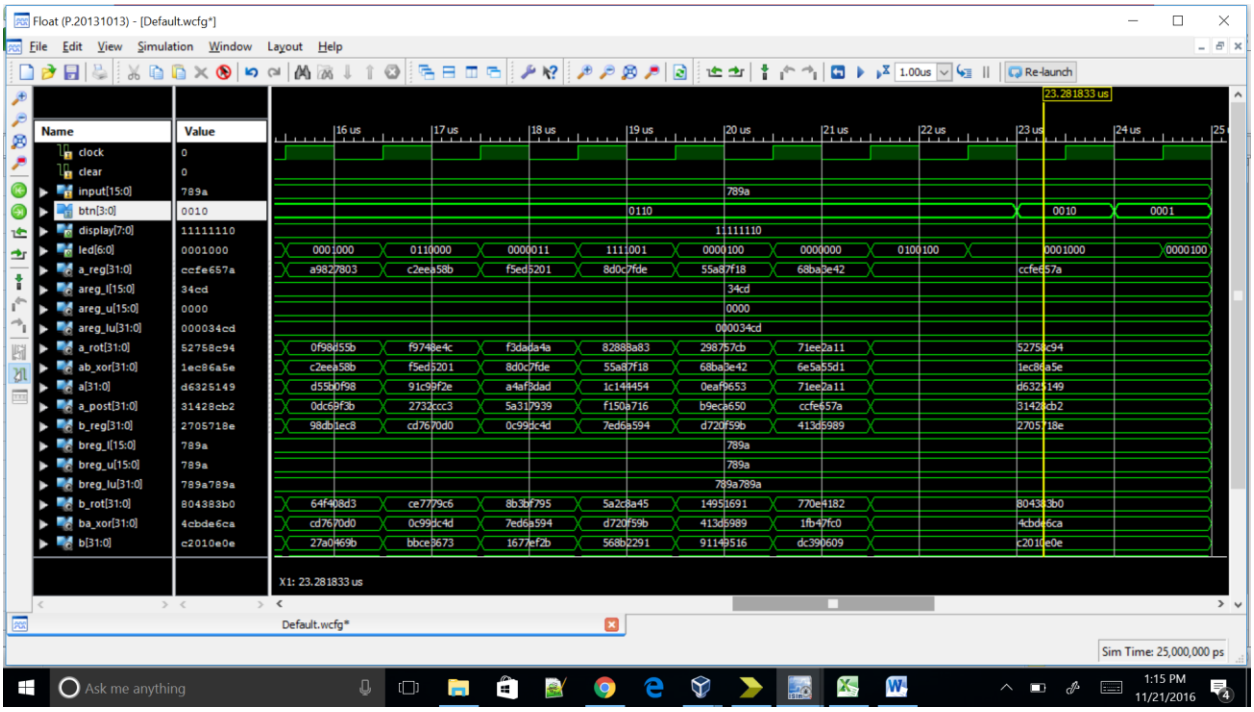
Lab 6

Pratik thakker
Pat323



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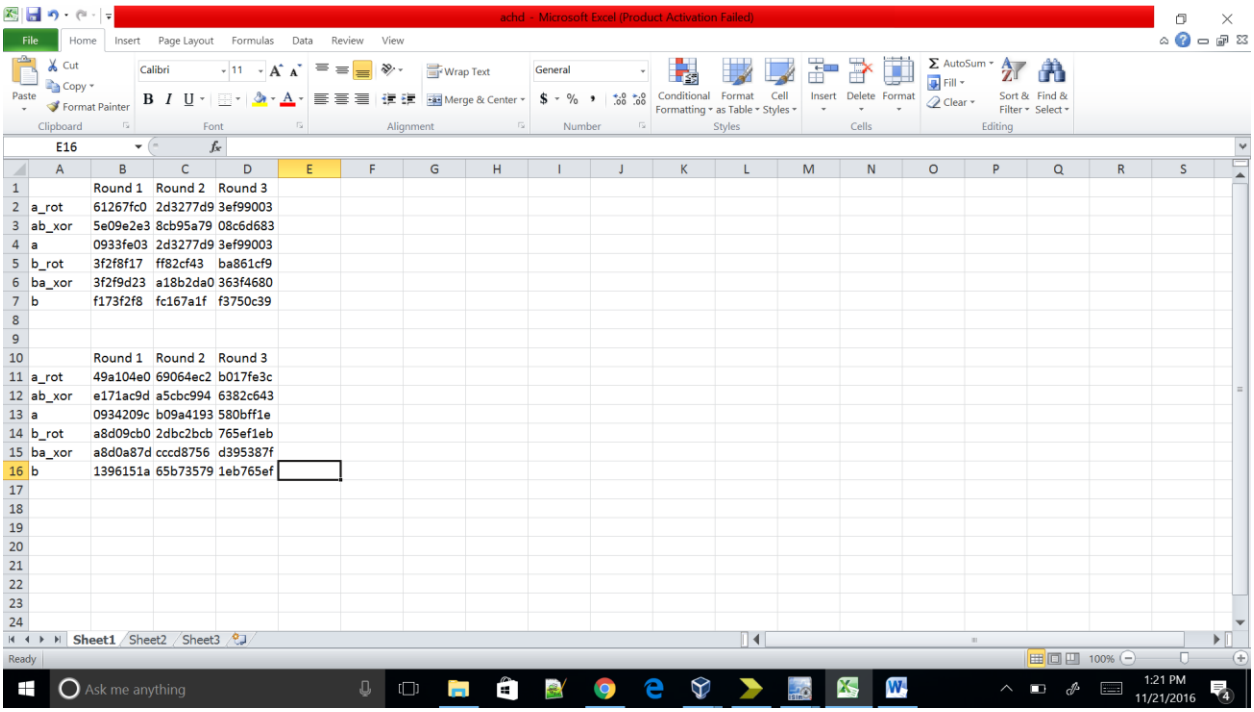
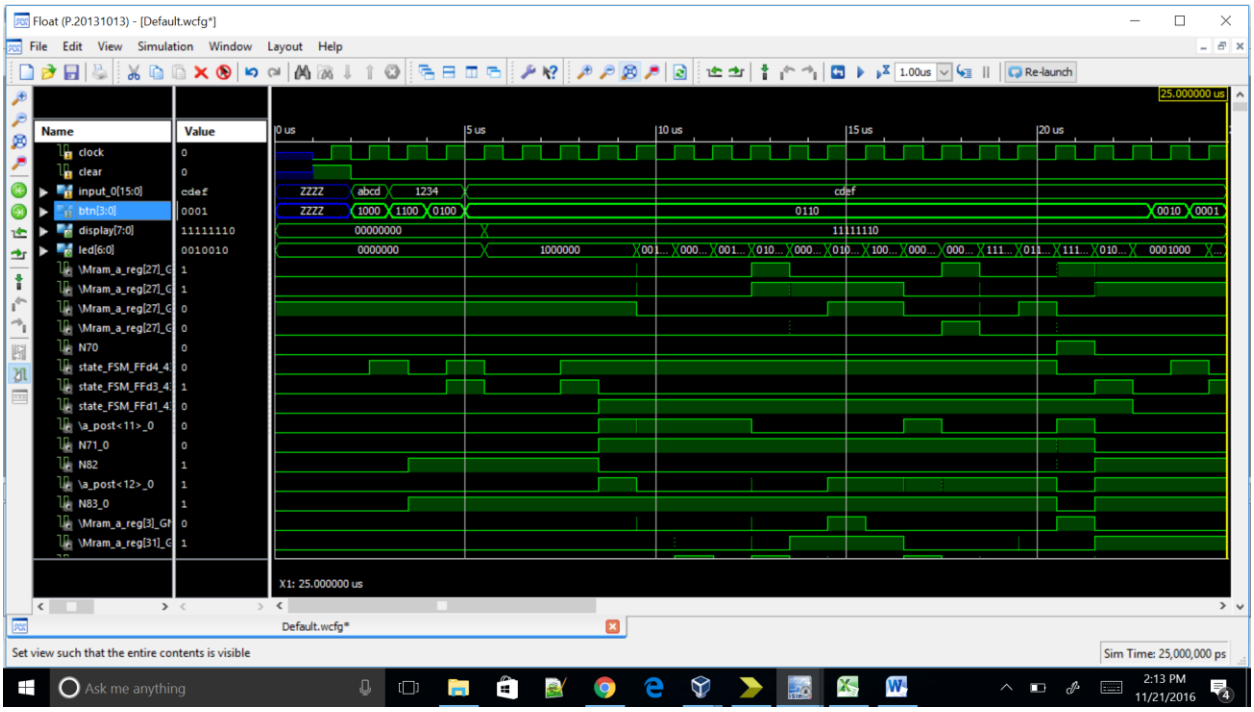


| | A | B | C | D |
|---|---|---|---|---|
| 1 | | Round 1 | Round 2 | Round 3 |
| 2 | a_rot | 61267fc0 | 2d3277d9 | 3ef99003 |
| 3 | ab_xor | 5e09e2e3 | 8cb95a79 | 08c6d683 |
| 4 | a | 0933fe03 | 2d3277d9 | 3ef99003 |
| 5 | b_rot | 3f2f8f17 | ff82cf43 | ba861cf9 |
| 6 | ba_xor | 3f2f9d23 | a18b2da0 | 363f4680 |
| 7 | b | f173f2f8 | fc167a1f | f3750c39 |
| 8 | | | | |
| 9 | | | | |
| 10 | | Round 1 | Round 2 | Round 3 |
| 11 | a_rot | 49a104e0 | 69064ec2 | b017fe3c |
| 12 | ab_xor | e171ac9d | a5cbc994 | 6382c643 |
| 13 | a | 0934209c | b09a4193 | 580bff1e |
| 14 | b_rot | a8d09cb0 | 2dbc2bcb | 765ef1eb |
| 15 | ba_xor | a8d0a87d | cccd8756 | d395387f |
| 16 | b | 1396151a | 65b73579 | 1eb765ef |



Critical path delay is 5.71 ns

Latency is 21

Propagation delay is 119.91 ns

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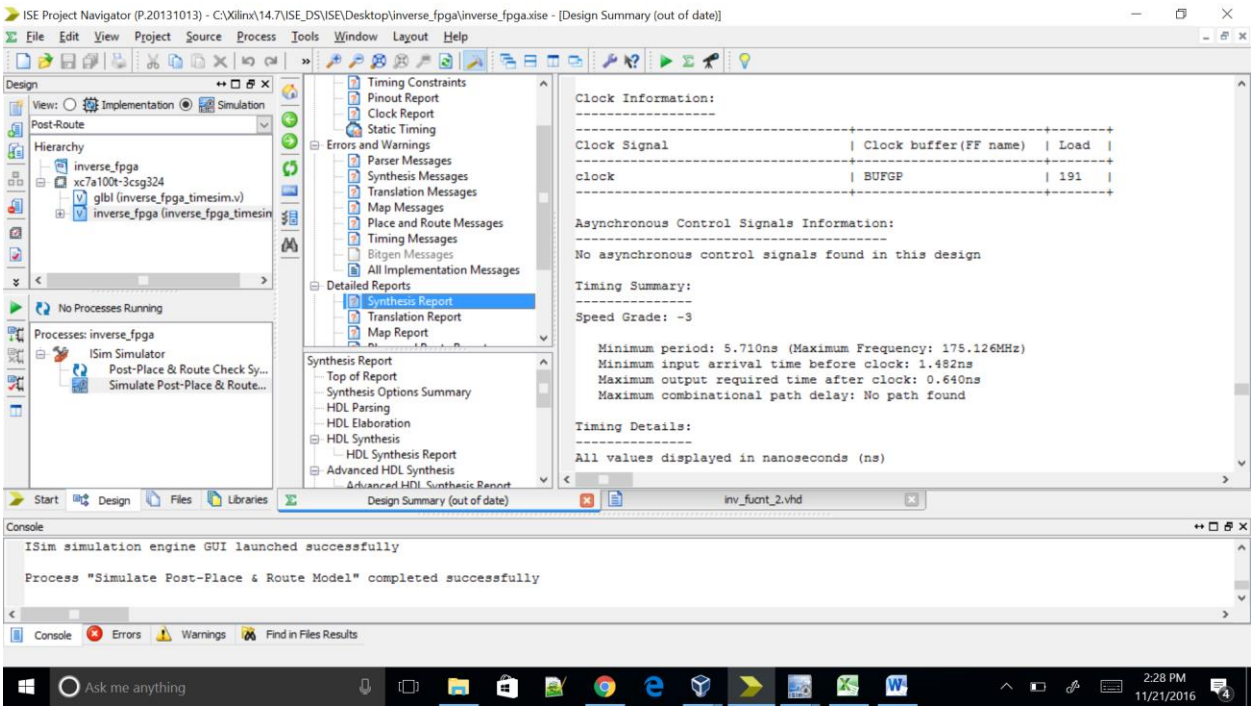
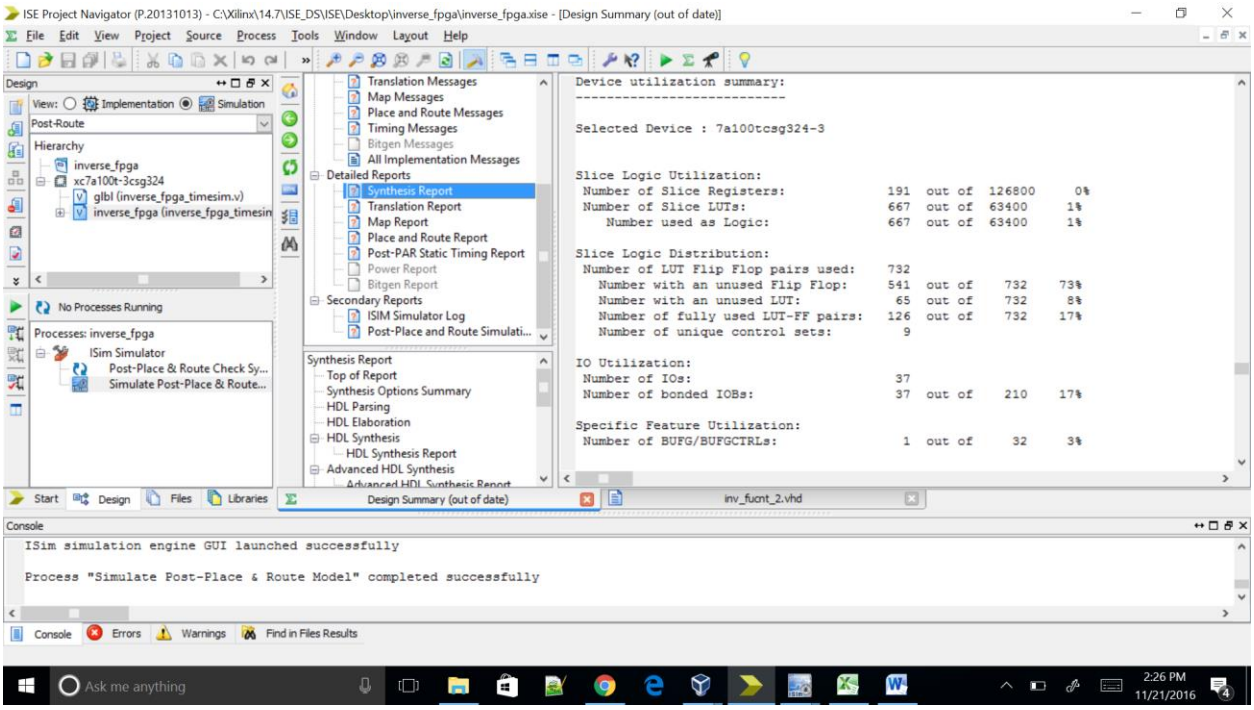



Max frequency 175.126 Mhz



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Pratik thakker
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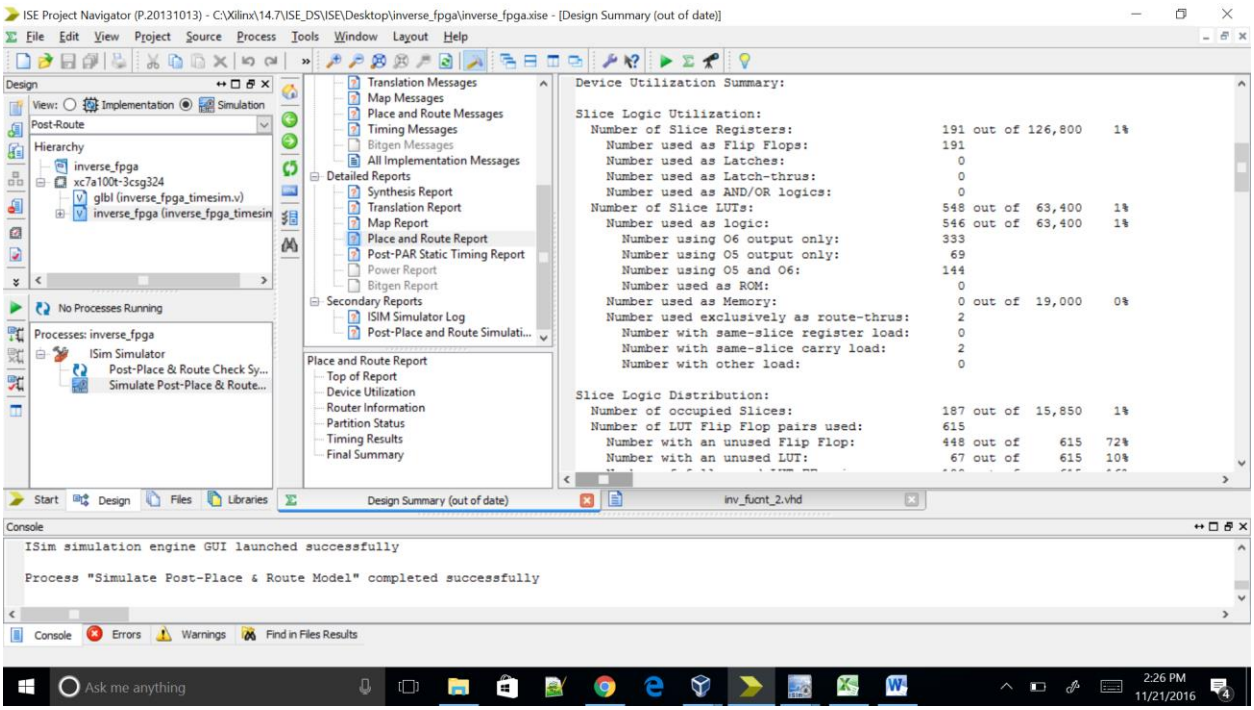

Lab 6

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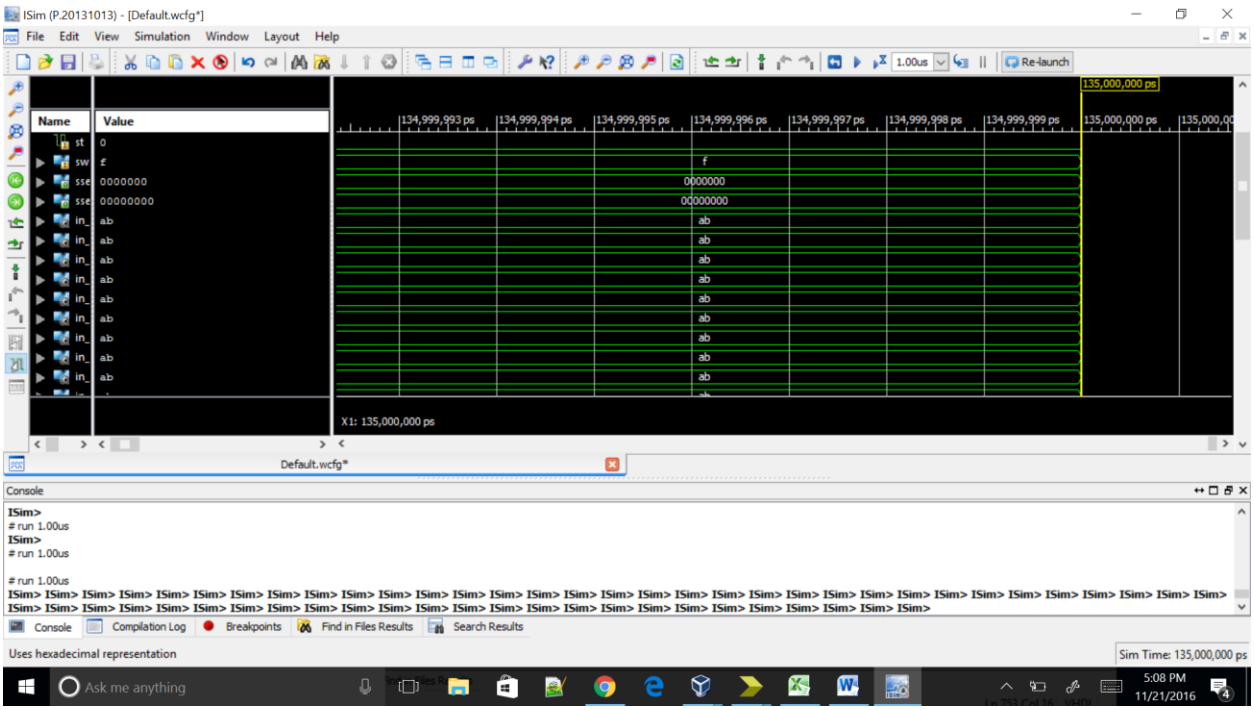


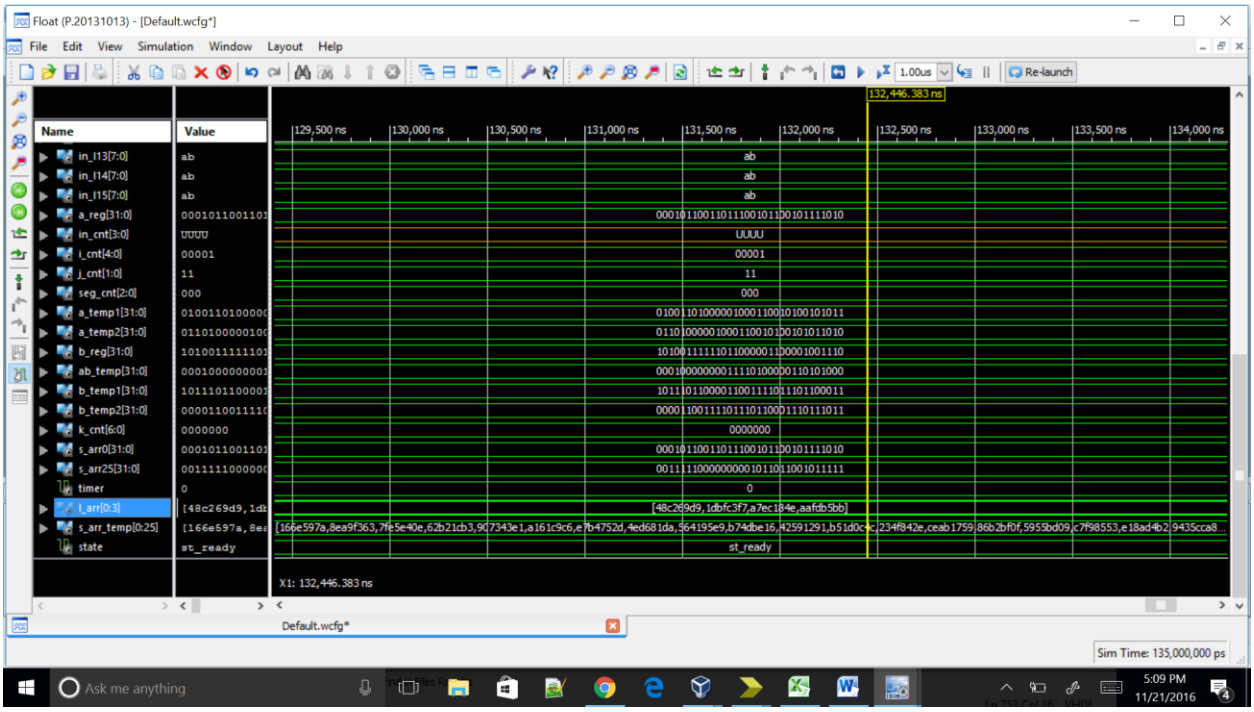

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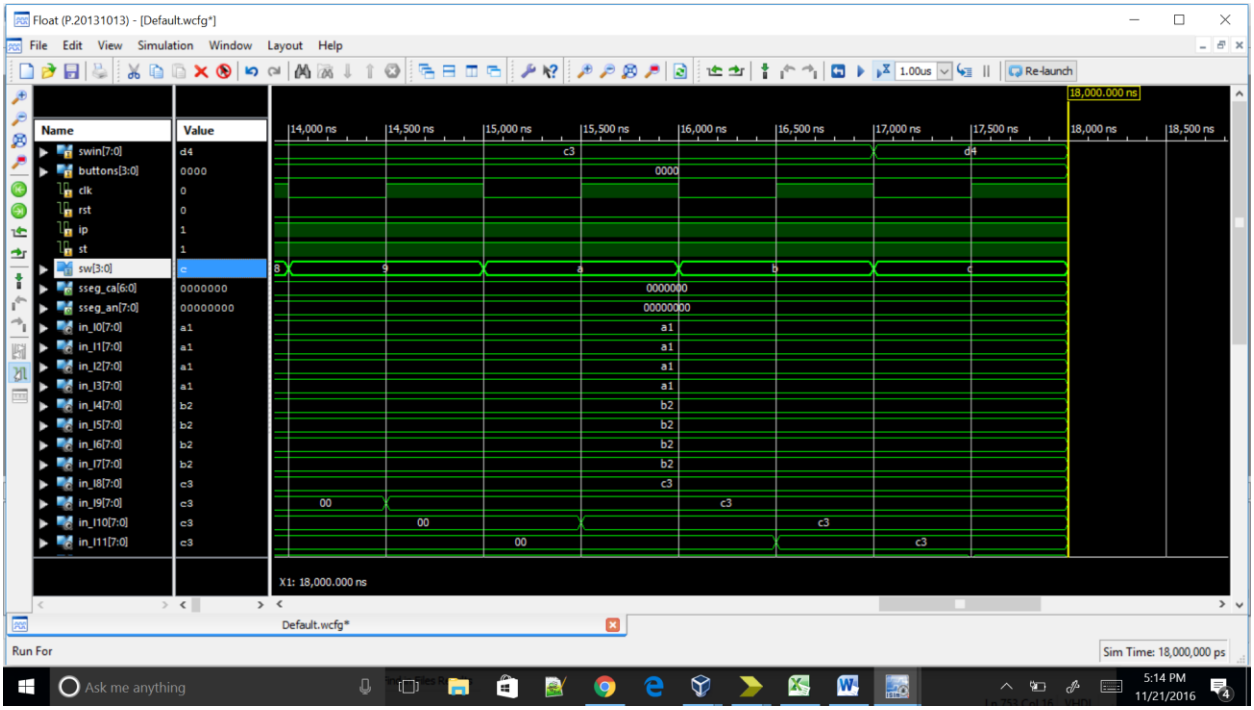


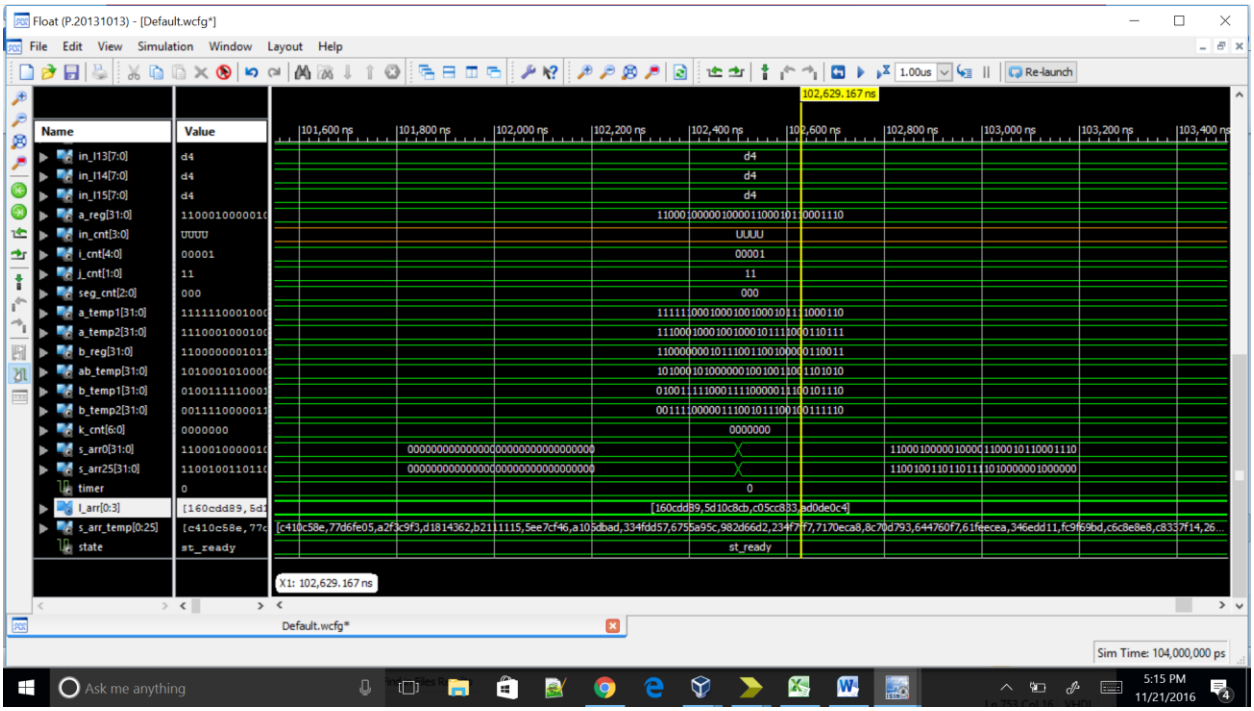

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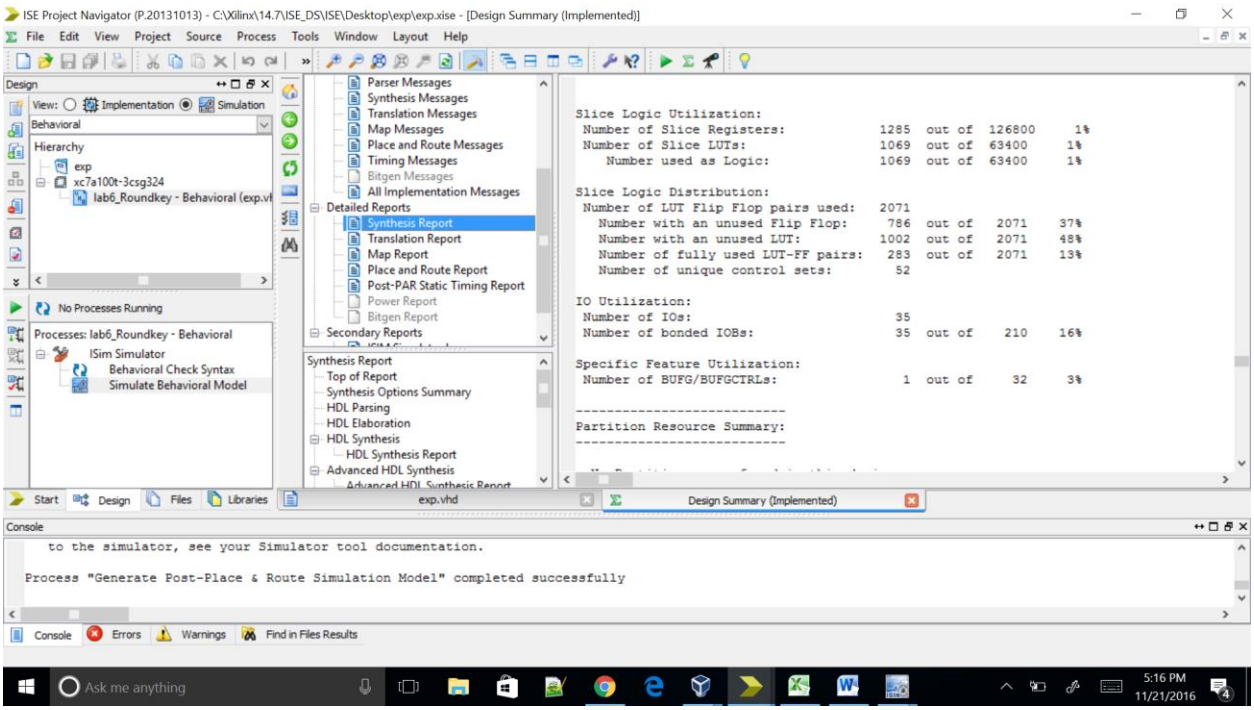


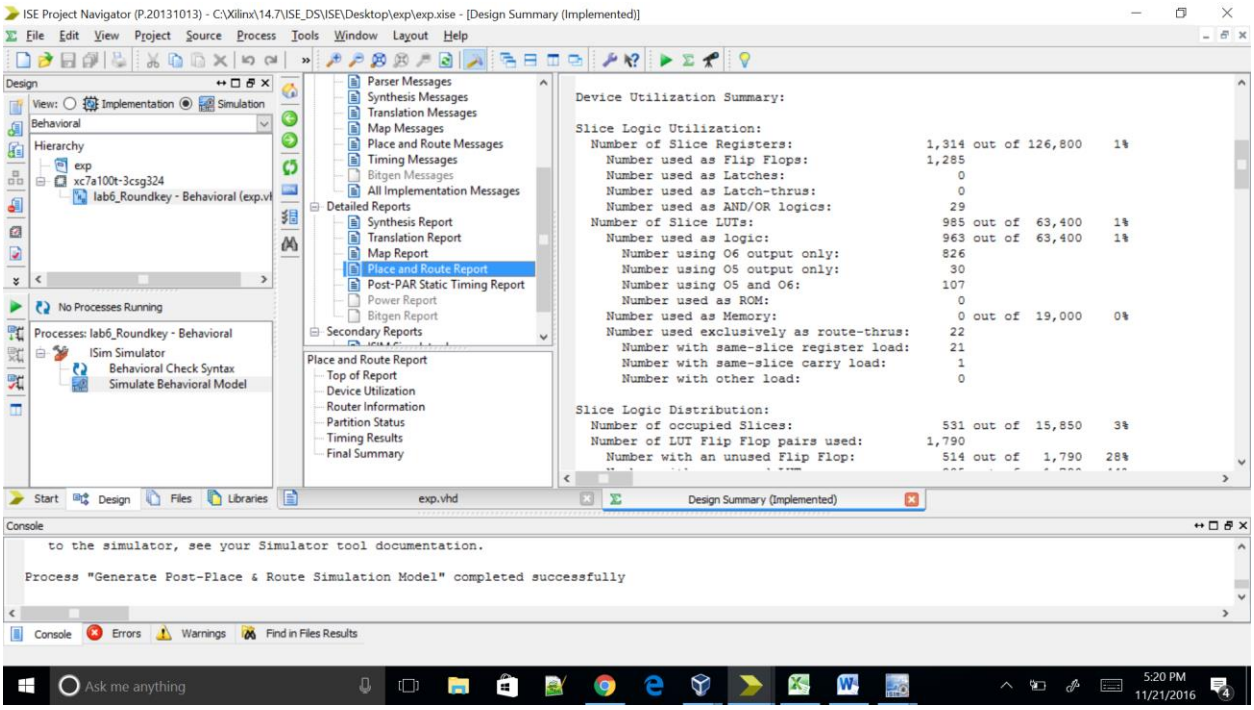


Critical path delay 9.126 ns

Latency is 98

Propagation delay is 894.348 ns

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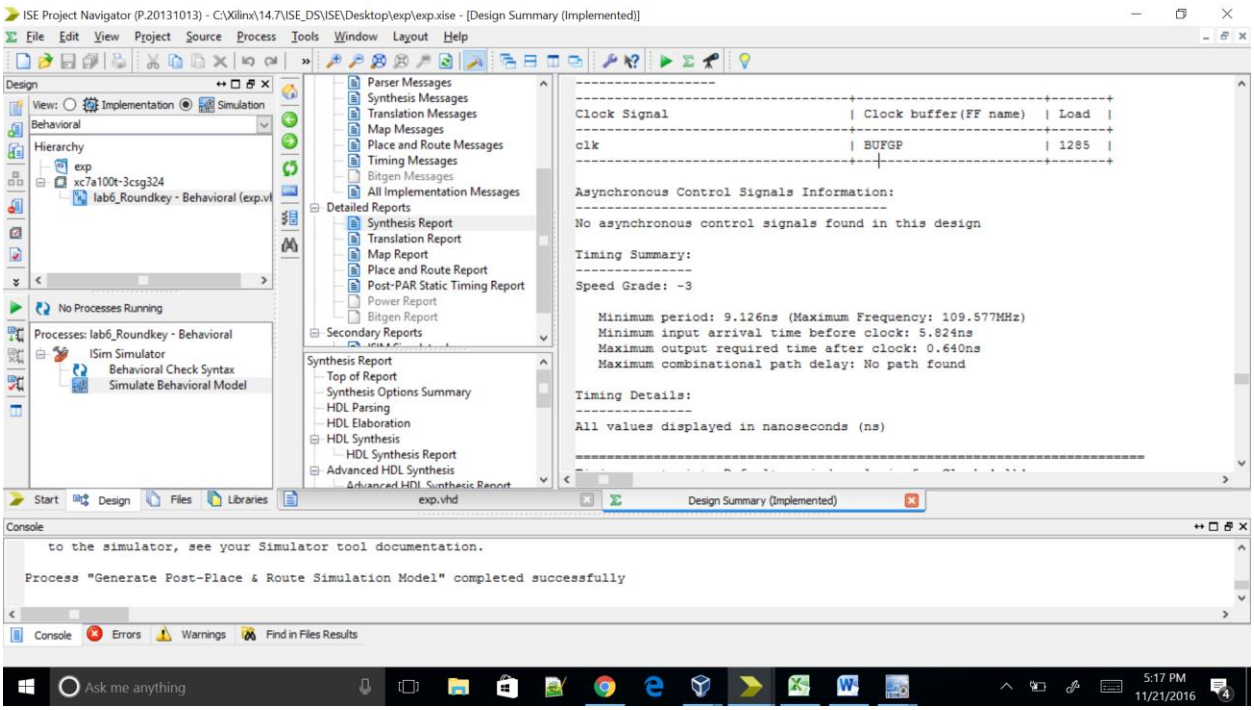


Max Frequency is 109.577 Mhz

You tube link

https://youtu.be/OeFsQmQq_6E