|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Maximum Operating Frequency | Slices | LUTs | Flip Flops | %logic | %route |
| Original Combinational | 84.87mHz | 0 | N/A | N/A | 95.4% logic | 4.6% route |
| 3 Stage | 188.749MHz | 631 out of 49152 | 1193 out of 98304 | 262 out of 98304 | 27.7% logic | 72.3% route |
| 4 Stage | 243.591MHz | 619 out of 49152 | 1183 out of 98304 | 358 out of 98304 | 28.5% logic | 71.5% route |
| 6 Stage | 336.979MHz | 629 out of 49152 | 1179 out of 98304 | 517 out of 98304 | 43.9% logic | 56.1% route |
| 12 Stage | 548.264MHz | 795 out of 49152 | 1191 out of 98304 | 969 out of 98304 | 32.0% | 68.0% |