
Release 14.7 Trace (nt64)
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C:\Xilinx\14.7\ISE_DS\ISE\bin\nt64\unwrapped\trce.exe -intstyle ise -v 3 -s 3
-n 3 -fastpaths -xml BrentKungl6bit.twx BrentKungl6bit.ncd -o
BrentKungl6bit.twr BrentKungl6bit.pcf

Design file: BrentKungl6bit.ncd
Physical constraint file: BrentKungl6bit.pcf
Device,package,speed: xc7a100t,csg324,C,-3 (PRODUCTION 1.10 2013-10-13)
Report level: verbose report

Environment Variable Effect

NONE No environment variables were set

INFO:Timing:2698 - No timing constraints found, doing default enumeration.

INFO:Timing:3412 - To improve timing, see the [Timing Closure User Guide \(UG612\)](#).

INFO:Timing:2752 - To get complete path coverage, use the unconstrained paths option. All paths that are not constrained will be reported in the unconstrained paths section(s) of the report.

INFO:Timing:3339 - The clock-to-out numbers in this timing report are based on a 50 Ohm transmission line loading model. For the details of this model, and for more information on accounting for different loading conditions, please see the device datasheet.

Data Sheet report:

All values displayed in nanoseconds (ns)

Pad to Pad

Source Pad	Destination Pad	Delay
Cin	Cout	9.716
Cin	Sum<0>	5.403
Cin	Sum<1>	6.334
Cin	Sum<2>	6.660
Cin	Sum<3>	6.726
Cin	Sum<4>	7.531
Cin	Sum<5>	7.500
Cin	Sum<6>	8.003
Cin	Sum<7>	7.884
Cin	Sum<8>	8.475
Cin	Sum<9>	8.590
Cin	Sum<10>	8.809
Cin	Sum<11>	8.976
Cin	Sum<12>	9.615
Cin	Sum<13>	9.609
Cin	Sum<14>	10.014
Cin	Sum<15>	9.985
a<0>	Cout	9.657
a<0>	Sum<0>	5.625
a<0>	Sum<1>	6.282
a<0>	Sum<2>	6.601
a<0>	Sum<3>	6.667
a<0>	Sum<4>	7.472
a<0>	Sum<5>	7.441
a<0>	Sum<6>	7.944
a<0>	Sum<7>	7.825
a<0>	Sum<8>	8.416

a<0>	Sum<9>		8.531
a<0>	Sum<10>		8.750
a<0>	Sum<11>		8.917
a<0>	Sum<12>		9.556
a<0>	Sum<13>		9.550
a<0>	Sum<14>		9.955
a<0>	Sum<15>		9.926
a<1>	Cout		9.413
a<1>	Sum<1>		6.040
a<1>	Sum<2>		6.357
a<1>	Sum<3>		6.423
a<1>	Sum<4>		7.228
a<1>	Sum<5>		7.197
a<1>	Sum<6>		7.700
a<1>	Sum<7>		7.581
a<1>	Sum<8>		8.172
a<1>	Sum<9>		8.287
a<1>	Sum<10>		8.506
a<1>	Sum<11>		8.673
a<1>	Sum<12>		9.312
a<1>	Sum<13>		9.306
a<1>	Sum<14>		9.711
a<1>	Sum<15>		9.682
a<2>	Cout		9.497
a<2>	Sum<2>		6.209
a<2>	Sum<3>		6.499
a<2>	Sum<4>		7.312
a<2>	Sum<5>		7.281
a<2>	Sum<6>		7.784
a<2>	Sum<7>		7.665
a<2>	Sum<8>		8.256
a<2>	Sum<9>		8.371
a<2>	Sum<10>		8.590
a<2>	Sum<11>		8.757
a<2>	Sum<12>		9.396
a<2>	Sum<13>		9.390
a<2>	Sum<14>		9.795
a<2>	Sum<15>		9.766
a<3>	Cout		9.332
a<3>	Sum<3>		6.338
a<3>	Sum<4>		7.147
a<3>	Sum<5>		7.116
a<3>	Sum<6>		7.619
a<3>	Sum<7>		7.500
a<3>	Sum<8>		8.091
a<3>	Sum<9>		8.206
a<3>	Sum<10>		8.425
a<3>	Sum<11>		8.592
a<3>	Sum<12>		9.231
a<3>	Sum<13>		9.225
a<3>	Sum<14>		9.630
a<3>	Sum<15>		9.601
a<4>	Cout		8.623
a<4>	Sum<4>		5.978
a<4>	Sum<5>		6.409
a<4>	Sum<6>		6.910
a<4>	Sum<7>		6.791
a<4>	Sum<8>		7.382
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a<4>	Sum<13>		8.516
a<4>	Sum<14>		8.921
a<4>	Sum<15>		8.892
a<5>	Cout		8.734

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a<5>	Sum<6>	7.021
a<5>	Sum<7>	6.902
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a<5>	Sum<13>	8.627
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a<5>	Sum<15>	9.003
a<6>	Cout	8.220
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a<6>	Sum<7>	6.372
a<6>	Sum<8>	6.979
a<6>	Sum<9>	7.094
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a<6>	Sum<13>	8.113
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a<6>	Sum<15>	8.489
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a<7>	Sum<15>	8.632
a<8>	Cout	7.312
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a<8>	Sum<9>	6.198
a<8>	Sum<10>	6.405
a<8>	Sum<11>	6.572
a<8>	Sum<12>	7.211
a<8>	Sum<13>	7.205
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a<9>	Cout	7.440
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a<9>	Sum<10>	6.533
a<9>	Sum<11>	6.700
a<9>	Sum<12>	7.339
a<9>	Sum<13>	7.333
a<9>	Sum<14>	7.738
a<9>	Sum<15>	7.709
a<10>	Cout	7.272
a<10>	Sum<10>	6.133
a<10>	Sum<11>	6.530
a<10>	Sum<12>	7.171
a<10>	Sum<13>	7.165
a<10>	Sum<14>	7.570
a<10>	Sum<15>	7.541
a<11>	Cout	7.135
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a<11>	Sum<12>	7.034
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a<11>	Sum<14>	7.433
a<11>	Sum<15>	7.404
a<12>	Cout	6.926
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a<12>	Sum<13>	6.807
a<12>	Sum<14>	7.224

a<12>	Sum<15>	7.195
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a<13>	Sum<14>	6.698
a<13>	Sum<15>	6.669
a<14>	Cout	5.818
a<14>	Sum<14>	5.824
a<14>	Sum<15>	6.083
a<15>	Cout	5.793
a<15>	Sum<15>	6.068
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b<0>	Sum<10>	8.420
b<0>	Sum<11>	8.587
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b<0>	Sum<13>	9.220
b<0>	Sum<14>	9.625
b<0>	Sum<15>	9.596
b<1>	Cout	9.153
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b<1>	Sum<4>	6.968
b<1>	Sum<5>	6.937
b<1>	Sum<6>	7.440
b<1>	Sum<7>	7.321
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b<2>	Cout	8.902
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b<2>	Sum<6>	7.189
b<2>	Sum<7>	7.070
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b<2>	Sum<14>	9.200
b<2>	Sum<15>	9.171
b<3>	Cout	8.820
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b<3>	Sum<9>	7.694

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b<4>	Sum<5>	5.738
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b<4>	Sum<7>	6.128
b<4>	Sum<8>	6.719
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b<5>	Sum<6>	6.520
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b<5>	Sum<8>	6.992
b<5>	Sum<9>	7.107
b<5>	Sum<10>	7.326
b<5>	Sum<11>	7.493
b<5>	Sum<12>	8.132
b<5>	Sum<13>	8.126
b<5>	Sum<14>	8.531
b<5>	Sum<15>	8.502
b<6>	Cout	7.734
b<6>	Sum<6>	5.393
b<6>	Sum<7>	5.900
b<6>	Sum<8>	6.493
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b<6>	Sum<13>	7.627
b<6>	Sum<14>	8.032
b<6>	Sum<15>	8.003
b<7>	Cout	7.419
b<7>	Sum<7>	5.579
b<7>	Sum<8>	6.178
b<7>	Sum<9>	6.293
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b<7>	Sum<11>	6.679
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b<8>	Cout	6.701
b<8>	Sum<8>	5.455
b<8>	Sum<9>	5.575
b<8>	Sum<10>	5.794
b<8>	Sum<11>	5.961
b<8>	Sum<12>	6.600
b<8>	Sum<13>	6.594
b<8>	Sum<14>	6.999
b<8>	Sum<15>	6.970
b<9>	Cout	6.993
b<9>	Sum<9>	5.865
b<9>	Sum<10>	6.086
b<9>	Sum<11>	6.253
b<9>	Sum<12>	6.892

b<9>	Sum<13>		6.886
b<9>	Sum<14>		7.291
b<9>	Sum<15>		7.262
b<10>	Cout		6.546
b<10>	Sum<10>		5.341
b<10>	Sum<11>		5.817
b<10>	Sum<12>		6.445
b<10>	Sum<13>		6.439
b<10>	Sum<14>		6.844
b<10>	Sum<15>		6.815
b<11>	Cout		6.653
b<11>	Sum<11>		5.925
b<11>	Sum<12>		6.552
b<11>	Sum<13>		6.546
b<11>	Sum<14>		6.951
b<11>	Sum<15>		6.922
b<12>	Cout		6.083
b<12>	Sum<12>		5.695
b<12>	Sum<13>		5.960
b<12>	Sum<14>		6.381
b<12>	Sum<15>		6.352
b<13>	Cout		5.589
b<13>	Sum<13>		5.474
b<13>	Sum<14>		5.887
b<13>	Sum<15>		5.858
b<14>	Cout		5.728
b<14>	Sum<14>		5.844
b<14>	Sum<15>		5.989
b<15>	Cout		5.511
b<15>	Sum<15>		5.788

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Analysis completed Thu Aug 12 16:48:13 2021

Trace Settings:

Trace Settings

Peak Memory Usage: 4997 MB