Screen shot of table in catapult

Report: General

Solution	Latency...	Latency...	Throug...	Throug...	Slack	Total Area
solution.v1 (new)						
EdgeDetect_Top.v1 (extract)	7	70.00	6	60.00	7.30	11973.51

Report: Run Time

Solution	Total	Analyze	Compile	Libraries	Assembly	Loops	Memories	Cluster	Architect	Allocate	Schedule	Dpfsm	Instance	Extract
solution.v1 (new)														
EdgeDetect_Top.v1 (extract)	49.49	6.88	6.98	0.62	0.94	2.35	1.29	0.10	1.18	1.23	9.19	3.72	5.44	9.57

Report: Memory Usage

Solution	Peak
solution.v1 (new)	
EdgeDetect_Top.v1 (extract)	1682136.00

Report: Timing

Solution	Latency...	Latency...	Throug...	Throug...	Iterations	Total Cy...	Slack	Logical I...	Max Inp...	Logical ...	Max Out...	Logical ...	Max Delay	Clock Pe...	Arc
solution.v1 (new)															
EdgeDetect_Top.v1 (extract)	7	70.00	6	60.00			7.30	2.47	2.47	1.06	1.14	2.70	2.70	10.00	
▽ EdgeDetect_Top															
▽ EdgeDetect_MagAng															
▽ run	2	20.00	4	40.00	?	4									
▽ run:rlp	2	20.00	4	40.00	Infinite	4									
▽ main	2	20.00	4	40.00	Infinite	4									
MROW			1	10.00	?	2									
▽ EdgeDetect_HorDer															
▽ run	2	20.00	5	50.00	?	5									
▽ run:rlp	2	20.00	5	50.00	Infinite	5									
▽ main	2	20.00	5	50.00	Infinite	5									
HROW			1	10.00	?	3									
▽ EdgeDetect_VerDer															
▽ run	3	30.00	6	60.00	?	6									
▽ run:rlp	3	30.00	6	60.00	Infinite	6									
▽ main	3	30.00	6	60.00	Infinite	6									
VROW			1	10.00	?	4									
▽ timing_arcs															
arst_n->clk															
clk->crc32_hw_pix_in.triosy.lz															
clk->crc32_hw_pix_out.triosy.lz															
clk->din_chn:rsc.rdy															
clk->dout_chn:rsc.vld															
clk->line_buf0:rsc.d															
clk->line_buf0:rsc.we															
clk->line_buf1:rsc.d															
clk->line_buf1:rsc.we															

Report: Area Score

Solution	Registers	MUX	Functional	Logic	Memory	FSM Reg	FSM Comb	FSM	Datapath	Total Reg	Total Area	Rom
solution.v1 (new)												
EdgeDetect_Top.v1 (extract)	6140.61	1989.70	1726.68	2063.92	0.00	48.00	4.60	52.60	11920.91	6188.61	11973.51	0.00
▷ allocate	4790.39	1464.95	1136.19	140.21	0.00	0.00	0.00	0.00	7531.74	4790.39	7531.74	0.00
▷ dpfsm	6147.79	2390.84	1842.63	2017.85	0.00	48.00	3.00	51.00	12399.11	6195.79	12450.11	0.00
▷ extract	6140.61	1989.70	1726.68	2063.92	0.00	48.00	4.60	52.60	11920.91	6188.61	11973.51	0.00

EdgeDetect_Top.v1 (extract)	6140.61	1989.70	1726.68	2063.92	0.00	48.00	4.60	52.60	11920.91	6188.61	11973.51	0.00
▷ allocate	4790.39	1464.95	1136.19	140.21	0.00	0.00	0.00	0.00	7531.74	4790.39	7531.74	0.00
▷ dpfsm	6147.79	2390.84	1842.63	2017.85	0.00	48.00	3.00	51.00	12399.11	6195.79	12450.11	0.00
▷ extract	6140.61	1989.70	1726.68	2063.92	0.00	48.00	4.60	52.60	11920.91	6188.61	11973.51	0.00