Table 2 (Without Knowledge of faults)

Number of TSVs, Number of redundant TSVs, Resolution constraint	Number of defective TSVs identified (m)	Dynamically optimized test in [32]		HRD		Average case reduction in % (Test sessions)	Worst case reduction in % (Test sessions)
		Average case (Number of test sessions)	Worst case (Number of test sessions)	Average case (Number of test sessions)	Worst case (Number of test sessions)		
(8,3,3)	0	5	5	3	3	40	40
	1	5.3	6	4.75	5	10.37	16.67
	2	6.4	8	5.96	7	6.87	12.5
	3	7.5	8	6.75	8	10	0
(12,4,3)	0	7	7	4	4	42.85	42.85
	1	7.5	9	6	6	20	33.33
	2	8.7	12	7.57	8	12.98	33.33
	3	10.3	14	8.78	10	14.75	28.57
	4	11.8	16	9.67	12	18.05	25
(15,5,3)	0	8	8	5	5	37.50	37.5
	1	9.6	14	7	7	27.08	50
	2	11.1	17	8.66	9	21.98	47.05
	3	12.6	20	10.03	11	20.39	45
	4	14.3	23	11.13	13	22.16	43.47
	5	15.8	25	11.99	15	24.11	40
(20,5,4)	0	9	9	5	5	44.44	44.44
	1	10.8	15	8	8	25.92	46.67
	2	12.3	18	10.5	11	14.63	38.89
	3	13.9	21	12.56	14	9.64	33.33
	4	15.1	24	14.24	17	5.69	29.16
	5	18	25	15.59	20	13.38	20

Table 2 (With Knowledge of faults)

Number of TSVs, Number of redundant TSVs, Resolution constraint	Number of defective TSVs identified (m)	Dynamically optimized test in [32]		HRD		Average case reduction in % (Test sessions)	Worst case reduction in % (Test sessions)
		Average case (Number of test sessions)	Worst case (Number of test sessions)	Average case (Number of test sessions)	Worst case (Number of test sessions)		
(8,3,3)	0	5	5	3	3	40	40
	1	5.3	6	4.5	5	15.09	16.67
	2	6.4	8	5.85	7	8.59	12.5
	3	7.5	8	6.69	8	10.80	0
(12,4,3)	0	7	7	4	4	42.85	42.85
	1	7.5	9	5.66	6	24.53	33.33
	2	8.7	12	7.30	8	16.09	33.33
	3	10.3	14	8.53	10	17.18	28.57
	4	11.8	16	9.46	12	19.83	25
(15,5,3)	0	8	8	5	5	37.50	37.5
	1	9.6	14	6.66	7	30.62	50
	2	11.1	17	8.38	9	24.50	47.05
	3	12.6	20	9.76	11	22.53	45
	4	14.3	23	10.89	13	23.84	43.47
	5	15.8	25	11.78	15	25.44	40
(20,5,4)	0	9	9	5	5	44.44	44.44
	1	10.8	15	7.25	8	32.87	46.67
	2	12.3	18	9.84	11	20.00	38.89
	3	13.9	21	11.94	14	14.10	33.33
	4	15.1	24	13.67	17	9.47	29.16
	5	18	25	15.07	20	16.27	20