Java Unit Testing Tool Competition - Seventh Round
Detailed Results

Fitsum Kifetew, Xavier Devroey, Urko Rueda

March 16, 2019

Table 1: Averaged results for 6 runs on 10 seconds time budget

CUT	Combined						T3						Evosuite					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	11.9	24.5	10.0	11.9	0	0	3.4	21.0	10.0	0	0	0	17.9	14.0	0	4.7	0	0
AUTHZFORCE-1	12.0	0	0	0	0	0	4.7	73.7	100.0	0	0	0	18.2	0	0	0	0	0
AUTHZFORCE-27	11.9	90.0	75.0	75.0	0	0	2.9	70.0	25.0	0	0	0	17.4	90.0	75.0	75.0	0	0
AUTHZFORCE-32	11.9	31.1	20.0	23.0	0	0	3.5	26.6	20.0	0	0	.1	18.0	13.3	0	7.6	0	0
AUTHZFORCE-33	11.9	76.5	100.0	90.9	0	0	4.4	74.8	94.4	0	0	0	18.2	37.2	55.5	57.5	0	0
AUTHZFORCE-48	11.9	90.0	63.6	88.2	0	0	3.1	89.4	62.8	0	0	.1	17.5	0	0	0	0	0
AUTHZFORCE-52	11.9	62.0	91.6	100.0	0	0	5.5	62.0	83.3	0	0	0	17.5	62.0	91.6	100.0	0	0
AUTHZFORCE-5	11.9	51.1	59.0	60.7	0	0	4.1	43.1	53.7	0	0	.4	18.5	22.3	20.4	27.3	.3	0
AUTHZFORCE-63	11.9	50.0	35.0	38.8	0	0	3.6	42.5	30.0	0	0	0	17.5	27.5	10.0	5.5	0	0
AUTHZFORCE-65	11.9	60.0	41.6	0	0	0	3.2	60.0	41.6	0	0	0	17.1	0	0	0	0	0
DUBBO-2	12.8	0	0	0	0	0	2.1	0	0	0	0	0	4.6	0	0	0	0	0
FASTJSON-1	1.6	.7	.6	.4	0	0	4.2	.6	.5	.4	0	0	0	0	0	0	0	0
FASTJSON-3	1.6	19.1	11.6	11.1	0	0	11.6	10.4	5.0	6.3	0	0	0	0	0	0	0	0
FESCAR-12	12.0	73.0	12.5	50.0	0	0	2.8	26.9	0	0	0	0	16.4	73.0	12.5	50.0	0	0
FESCAR-18	17.3	78.2	71.4	84.0	0	0	4.1	32.6	35.7	0	0	0	17.7	72.4	61.9	81.1	0	0
FESCAR-1	12.1	99.1	97.9	97.7	0	0	4.7	79.7	60.4	0	0	0	17.3	99.1	97.9	97.7	0	0
FESCAR-23	12.0	73.0	63.0	78.5	0	0	3.2	38.0	28.5	0	0	0	17.3	73.0	63.0	78.5	0	.1
FESCAR-25	10.6	46.8	37.5	22.2	0	0	2.8	46.8	37.5	0	0	0	16.5	46.3	37.5	22.2	0	.1
FESCAR-36	12.0	100.0	100.0	100.0	0	0	9.5	29.0	14.7	0	0	0	17.3	100.0	100.0	100.0	0	0
FESCAR-37	12.3	69.3	54.4	71.8	0	0	5.1	51.0	35.2	0	0	0	18.5	69.3	52.9	71.8	0	0
FESCAR-41	12.8	1.7	2.0	2.3	0	.9	18.3	.4	0	0	0	0	0	0	0	0	0	0
FESCAR-42	12.0	27.9	7.1	0	0	0	3.4	27.9	7.1	0	0	0	0	0	0	0	0	0
FESCAR-7	11.4	39.2	40.1	38.2	0	0	3.4	19.2	18.7	0	0	0	18.4	37.9	37.7	37.9	0	.3
OKIO-1	15.7	69.3	56.3	6.8	0	0	19.7	32.5	22.9	8.4	0	0	13.5	26.0	18.2	8.8	0	0
OKIO-4	13.1	22.3	19.2	13.0	0	0	2.9	1.4	.6	.9	0	0	18.1	22.3	19.2	13.0	0	0
SPOON-105	12.2	17.9	17.6	23.5	0	0	6.1	17.8	17.3	0	0	0	0	0	0	0	0	0
SPOON-155	12.0	25.1	14.0	19.6	0	0	3.1	19.4	6.2	0	0	0	19.3	24.3	11.9	19.0	0	0
SPOON-169	13.1	11.6	6.9	10.2	.1	0	20.5	5.0	3.2	0	0	0	0	0	0	0	0	0
SPOON-16	12.0	47.8	33.9	45.4	0	0	3.5	16.0	7.8	0	0	0	19.4	47.8	33.9	45.4	0	0
SPOON-20	12.0	49.2	33.3	40.2	0	0	5.9	42.8	20.0	0	0	0	19.7	49.2	33.3	40.2	0	0
SPOON-211	11.9	23.7	16.2	34.7	U	0	3.4	20.3	15.3	0	0	0	19.3	19.4	8.1	27.7	0	0
SPOON-253	12.0	62.2	57.8	68.1	0	0	4.6	60.5	54.6	0	0	0	18.9	31.5	29.6	34.8	.2	0
SPOON-25	11.9	28.7	21.4	23.6	0	0	2.8	28.5	21.2	0	0	0	0	0	0	0	0	0
SPOON-32	11.9	20.8	5.2	5.5	0	0	8.0	30.0	12.5	0	0	0	3.2	5.0	2.0	1.1	0	0
SPOON-65	16.9	40.6	50.5	1.7	0	0	6.2	40.6	50.0	0	0	0	3.4	3.0	1.5	.1	0	0
WEBMAGIC-1	12.0	39.2	27.7	50.1	0	0	2.1	0	0	0	0	0	14.4	32.8	23.3	42.0	0	0
WEBMAGIC-4	12.4	69.2	9.0	59.1	0	0	19.8	12.6	2.0	9.7	0	0	4.5	0	0	0	0	0
ZXING-10	12.1	90.5	77.4	23.1	0	0	12.2	66.7	62.0	33.8	0	0	17.6	88.3	70.1	62.9	0	0

Table 2: Averaged results for 6 runs on 10 seconds time budget

CUT	Combined						Sushi						Tardis					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	11.9	24.5	10.0	11.9	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-1	12.0	0	0	0	0	0	12.3	0	0	0	0	0	12.0	0	0	0	0	0
AUTHZFORCE-27	11.9	90.0	75.0	75.0	0	0	7.4	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-32	11.9	31.1	20.0	23.0	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-33	11.9	76.5	100.0	90.9	0	0	7.3	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-48	11.9	90.0	63.6	88.2	0	0	7.5	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-52	11.9	62.0	91.6	100.0	0	0	7.3	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-5	11.9	51.1	59.0	60.7	0	0	7.3	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-63	11.9	50.0	35.0	38.8	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-65	11.9	60.0	41.6	0	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
DUBBO-2	12.8	0	0	0	0	0	1.3	0	0	0	0	0	12.8	0	0	0	0	0
FASTJSON-1	1.6	.7	.6	.4	0	0	3.6	0	0	0	0	0	1.6	0	0	0	0	0
FASTJSON-3	1.6	19.1	11.6	11.1	0	0	3.1	0	0	0	0	0	1.6	0	0	0	0	0
FESCAR-12	12.0	73.0	12.5	50.0	0	0	7.4	0	0	0	0	0	12.0	3.2	0	0	.9	0
FESCAR-18	17.3	78.2	71.4	84.0	0	0	7.3	0	0	0	0	0	17.3	18.4	3.5	15.2	0	0
FESCAR-1	12.1	99.1	97.9	97.7	0	0	17.5	0	0	0	0	0	12.1	0	0	0	0	0
FESCAR-23	12.0	73.0	63.0	78.5	0	0	7.2	0	0	0	0	0	12.0	0	0	0	0	0
FESCAR-25	10.6	46.8	37.5	22.2	0	0	7.4	0	0	0	0	0	10.6	0	0	0	0	0
FESCAR-36	12.0	100.0	100.0	100.0	0	0	7.3	0	0	0	0	0	12.0	2.9	.6	1.8	0	0
FESCAR-37	12.3	69.3	54.4	71.8	0	0	0	0	0	0	0	0	12.3	0	0	0	0	0
FESCAR-41	12.8	1.7	2.0	2.3	0	.9	0	0	0	0	0	0	12.8	0	0	0	0	0
FESCAR-42	12.0	27.9	7.1	0	0	0	11.9	0	0	0	0	0	12.0	0	0	0	0	0
FESCAR-7	11.4	39.2	40.1	38.2	0	0	7.5	0	0	0	0	0	11.4	0	0	0	1.0	0
OKIO-1	15.7	69.3	56.3	6.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKIO-4	13.1	22.3	19.2	13.0	0	0	0	0	0	0	0	0	13.1	0	0	0	0	0
SPOON-105	12.2	17.9	17.6	23.5	0	0	12.6	0	0	0	0	0	12.2	0	0	0	0	0
SPOON-155	12.0	25.1	14.0	19.6	0	0	7.4	0	0	0	0	0	12.0	0	0	0	0	0
SPOON-169	13.1	11.6	6.9	10.2	.1	0	0	0	0	0	0	0	13.1	0	0	0	0	0
SPOON-16	12.0	47.8	33.9	45.4	0	0	7.4	0	0	0	0	0	12.0	0	0	0	0	0
SPOON-20	12.0	49.2	33.3	40.2	0	0	7.4	0	0	0	0	0	12.0	0	0	0	0	0
SPOON-211	11.9	23.7	16.2	34.7	0	0	7.4	0	0	0	0	0	11.9	0	0	0	0	0
SPOON-253	12.0	62.2	57.8	68.1	0	0	7.4	0	0	0	0	0	12.0	0	0	0	0	0
SPOON-25	11.9	28.7	21.4	23.6	0	0	7.4	0	0	0	0	0	11.9	0	0	0	0	0
SPOON-32	11.9	20.8	5.2	5.5	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
SPOON-65	16.9	40.6	50.5	1.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEBMAGIC-1	12.0	39.2	27.7	50.1	0	0	14.2	0	0	0	0	0	12.0	0	0	0	0	0
WEBMAGIC-4	12.4	69.2	9.0	59.1	0	0	0	0	0	0	0	0	12.4	0	0	0	0	0
ZXING-10	12.1	90.5	77.4	23.1	0	0	17.5	0	0	0	0	0	12.1	0	0	0	0	0

3

Table 3: Averaged results for 6 runs on 240 seconds time budget

CUT	Combined						T3						Evosuite					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	201.4	0	0	0	0	0	3.4	21.0	10.0	0	0	.1	172.4	0	0	0	0	0
AUTHZFORCE-1	40.3	0	0	0	0	0	4.9	74.5	100.0	0	0	0	226.8	0	0	0	0	0
AUTHZFORCE-27	228.2	0	0	0	0	0	2.9	70.0	25.0	0	0	0	185.7	0	0	0	0	0
AUTHZFORCE-32	207.6	0	0	0	0	0	3.5	26.6	20.0	0	0	0	178.1	0	0	0	0	0
AUTHZFORCE-33	276.0	0	0	0	0	0	4.4	76.5	100.0	0	0	0	226.4	0	0	0	0	0
AUTHZFORCE-48	51.6	96.6	75.7	96.0	0	0	3.0	81.1	58.3	0	0	.1	159.7	73.3	60.6	69.6	0	0
AUTHZFORCE-52	32.8	0	0	0	0	0	5.5	62.0	83.3	0	0	0	203.4	0	0	0	0	0
AUTHZFORCE-5	39.0	0	0	0	0	0	4.1	43.1	54.5	0	0	.4	199.0	0	0	0	0	0
AUTHZFORCE-63	201.7	0	0	0	0	0	3.6	42.5	30.0	0	0	0	163.5	0	0	0	0	0
AUTHZFORCE-65	201.0	60.0	41.6	60.0	0	0	3.2	60.0	41.6	0	0	0	159.7	15.0	0	0	0	0
DUBBO-2	205.5	29.2	23.6	7.7	.3	0	2.0	0	0	0	0	0	5.9	0	0	0	0	0
FASTJSON-1	1.6	33.3	31.7	2.0	0	0	45.4	4.9	4.2	1.2	0	0	235.0	33.1	31.6	6.5	0	0
FASTJSON-3	1.6	34.5	27.6	13.8	0	0	247.9	23.4	16.7	11.6	0	0	227.4	32.9	25.6	19.1	0	0
FESCAR-12	26.6	100.0	87.5	100.0	0	0	2.8	26.9	0	0	0	0	159.0	100.0	87.5	100.0	0	0
FESCAR-18	18.9	57.2	57.1	61.5	0	0	3.9	32.6	35.7	0	0	0	167.1	46.7	42.8	51.4	0	0
FESCAR-1	206.4	100.0	100.0	100.0	0	0	4.8	84.5	68.7	0	0	0	186.9	99.7	98.9	100.0	0	0
FESCAR-23	29.8	96.0	83.3	98.8	0	0	3.2	38.0	28.5	0	0	0	169.5	96.0	83.3	98.8	0	0
FESCAR-25	20.7	46.8	58.3	22.2	0	0	2.7	46.8	37.5	0	0	0	235.9	38.5	50.0	18.5	0	0
FESCAR-36	27.7	87.6	85.8	85.8	0	0	13.1	29.0	12.8	0	0	0	164.2	82.7	83.3	82.9	0	0
FESCAR-37	114.9	94.3	91.1	95.8	0	0	5.2	51.0	35.2	0	0	0	202.3	94.3	91.1	95.8	0	0
FESCAR-41	68.2	1.7	2.0	2.3	0	.9	225.3	.4	0	0	0	0	215.9	1.7	2.0	2.3	0	0
FESCAR-42	64.9	44.3	27.9	28.4	.3	0	3.3	27.9	7.1	0	0	0	201.2	37.2	23.2	24.3	0	.1
FESCAR-7	16.3	76.7	77.3	85.3	0	0	3.5	19.2	18.7	0	0	0	130.6	58.3	58.0	65.5	0	0
OKIO-1	214.4	79.9	72.4	5.5	0	0	249.7	30.3	21.3	8.1	0	0	214.4	73.5	67.8	18.4	0	0
OKIO-4	242.6	89.3	76.7	5.1	0	0	2.9	1.4	.6	.9	0	0	198.5	73.6	63.4	37.7	0	0
SPOON-105	242.6	12.4	11.8	15.8	0	0	6.0	17.5	16.7	0	0	0	162.8	4.0	3.1	4.5	0	0
SPOON-155	229.8	10.9	4.6	7.1	0	0	3.1	19.4	6.2	0	0	0	153.7	8.4	0	4.1	0	0
SPOON-169	242.9	10.5	6.1	9.2	0	0	250.5	7.4	4.1	0	0	0	138.7	0	0	0	0	0
SPOON-16	230.2	13.4	7.1	17.6	0	0	3.5	16.0	7.8	0	0	0	86.9	2.2	.9	2.0	0	0
SPOON-20	242.1	66.6	40.0	58.3	0	0	6.1	42.8	20.0	0	0	0	137.6	0	0	0	0	0
SPOON-211	242.0	6.7	5.1	9.7	0	0	3.4	20.3	15.3	0	0	0	135.9	9.3	3.4	11.8	0	0
SPOON-253	184.2	10.5	9.8	11.6	0	0	4.7	59.0	52.0	0	0	0	190.0	0	0	0	0	0
SPOON-25	211.4	30.0	22.6	24.7	0	0	2.8	28.5	21.2	0	0	0	169.2	0	0	0	0	0
SPOON-32	242.0	4.1	1.0	1.1	0	0	7.9	30.0	12.5	0	0	0	178.3	25.0	10.4	5.5	0	0
SPOON-65	130.6	20.3	25.0	.5	0	0	6.2	40.6	50.0	0	0	0	199.9	8.6	4.7	1.6	0	0
WEBMAGIC-1	242.3	42.6	31.3	54.2	0	0	2.1	0	0	0	0	0	164.5	42.6	31.3	54.2	0	0
WEBMAGIC-4	296.7	73.7	17.3	66.0	0	0	249.8	17.1	5.5	14.9	0	0	4.6	0	0	0	0	0
ZXING-10	256.5	92.3	84.6	17.0	0	0	25.9	68.9	64.7	33.5	0	0	171.9	92.0	83.9	72.7	0	0

Table 4: Averaged results for 6 runs on 240 seconds time budget

CUT	Combined						Sushi						Tardis					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	201.4	0	0	0	0	0	15.0	0	0	0	0	0	201.4	0	0	0	0	0
AUTHZFORCE-1	40.3	0	0	0	0	0	247.6	0	0	0	0	0	40.3	51.2	35.4	46.6	0	0
AUTHZFORCE-27	228.2	0	0	0	0	0	16.4	0	0	0	0	0	228.2	0	0	0	0	0
AUTHZFORCE-32	207.6	0	0	0	0	0	14.8	0	0	0	0	0	207.6	0	0	0	0	0
AUTHZFORCE-33	276.0	0	0	0	0	0	276.0	10.6	0	9.0	0	0	0	0	0	0	0	0
AUTHZFORCE-48	51.6	96.6	75.7	96.0	0	0	269.9	20.0	10.6	17.6	0	0	51.6	35.0	19.6	36.2	0	0
AUTHZFORCE-52	32.8	0	0	0	0	0	136.7	28.7	26.3	50.0	0	0	32.8	44.8	48.6	80.0	0	0
AUTHZFORCE-5	39.0	0	0	0	0	0	136.2	20.4	18.1	21.4	0	0	39.0	34.0	33.3	42.8	0	0
AUTHZFORCE-63	201.7	0	0	0	0	0	16.0	0	0	0	0	0	201.7	0	0	0	0	0
AUTHZFORCE-65	201.0	60.0	41.6	60.0	0	0	14.7	0	0	0	0	0	201.0	0	0	0	0	0
DUBBO-2	205.5	29.2	23.6	7.7	.3	0	1.3	0	0	0	0	0	205.3	24.2	19.8	6.6	.3	0
FASTJSON-1	1.6	33.3	31.7	2.0	0	0	3.5	0	0	0	0	0	1.6	0	0	0	0	0
FASTJSON-3	1.6	34.5	27.6	13.8	0	0	3.2	0	0	0	0	0	1.6	0	0	0	0	0
FESCAR-12	26.6	100.0	87.5	100.0	0	0	78.8	19.2	0	0	.2	0	26.6	6.4	0	0	.9	0
FESCAR-18	18.9	57.2	57.1	61.5	0	0	27.1	10.8	0	4.3	0	0	18.9	18.4	3.5	15.2	0	0
FESCAR-1	206.4	100.0	100.0	100.0	0	0	206.4	32.7	4.1	31.8	0	0	0	0	0	0	0	0
FESCAR-23	29.8	96.0	83.3	98.8	0	0	43.6	27.7	11.9	28.5	0	0	29.8	23.8	9.5	21.4	0	0
FESCAR-25	20.7	46.8	58.3	22.2	0	0	25.9	3.1	0	0	.3	0	20.7	3.1	0	0	.3	0
FESCAR-36	27.7	87.6	85.8	85.8	0	0	30.8	13.4	0	5.0	0	0	27.7	23.6	7.0	14.4	0	0
FESCAR-37	114.9	94.3	91.1	95.8	0	0	91.3	18.0	5.3	14.5	0	0	114.9	22.6	12.7	24.4	0	0
FESCAR-41	68.2	1.7	2.0	2.3	0	.9	26.1	0	0	0	0	0	68.2	0	0	0	0	0
FESCAR-42	64.9	44.3	27.9	28.4	.3	0	129.3	4.1	.5	3.4	.9	0	64.9	1.4	0	.6	.9	0
FESCAR-7	16.3	76.7	77.3	85.3	0	0	66.7	0	0	0	1.0	0	16.3	.5	0	0	.7	0
OKIO-1	214.4	79.9	72.4	5.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKIO-4	242.6	89.3	76.7	5.1	0	0	0	0	0	0	0	0	242.6	0	0	0	0	0
SPOON-105	242.6	12.4	11.8	15.8	0	0	266.9	0	0	0	0	0	242.6	5.8	3.2	6.2	0	0
SPOON-155	229.8	10.9	4.6	7.1	0	0	123.2	5.4	0	2.3	0	0	229.8	16.1	3.1	7.7	0	0
SPOON-169	242.9	10.5	6.1	9.2	0	0	315.3	0	0	0	0	0	242.9	0	0	0	0	0
SPOON-16	230.2	13.4	7.1	17.6	0	0	136.7	1.5	.3	1.5	.2	0	230.2	6.8	2.2	4.5	0	0
SPOON-20	242.1	66.6	40.0	58.3	0	0	137.5	4.7	3.3	2.7	.3	0	242.1	3.9	0	2.7	.3	0
SPOON-211	242.0	6.7	5.1	9.7	0	0	135.3	7.6	0	4.8	0	0	242.0	6.2	.4	4.1	0	0
SPOON-253	184.2	10.5	9.8	11.6	0	0	125.1	0	0	0	0	0	121.1	15.4	8.8	14.6	0	0
SPOON-25	211.4	30.0	22.6	24.7	0	0	186.3	5.6	3.7	4.6	0	0	211.4	2.7	1.5	1.8	.4	0
SPOON-32	242.0	4.1	1.0	1.1	0	0	137.7	0	0	0	0	0	242.0	0	0	0	0	0
SPOON-65	130.6	20.3	25.0	.5	0	0	130.6	0	0	0	0	0	0	0	0	0	0	0
WEBMAGIC-1	242.3	42.6	31.3	54.2	0	0	11.2	0	0	0	0	0	242.3	1.4	0	0	0	.8
WEBMAGIC-4	296.7	73.7	17.3	66.0	0	0	296.7	60.5	11.8	56.3	0	0	0	0	0	0	0	0
ZXING-10	256.5	92.3	84.6	17.0	0	0	262.6	0	0	0	0	0	80.8	24.5	19.7	14.1	0	0

Table 5: Averaged results for 6 runs on 10 seconds time budget

CUT	Randoop						T3						Evosuite					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	13.5	10.5	0	0	0	0	3.4	21.0	10.0	0	0	0	17.9	14.0	0	4.7	0	0
AUTHZFORCE-1	15.2	65.0	81.2	60.0	0	0	4.7	73.7	100.0	0	0	0	18.2	0	0	0	0	0
AUTHZFORCE-27	13.1	50.0	0	25.0	0	0	2.9	70.0	25.0	0	0	0	17.4	90.0	75.0	75.0	0	0
AUTHZFORCE-32	12.2	0	0	0	0	0	3.5	26.6	20.0	0	0	.1	18.0	13.3	0	7.6	0	0
AUTHZFORCE-33	15.0	70.2	83.3	81.8	0	0	4.4	74.8	94.4	0	0	0	18.2	37.2	55.5	57.5	0	0
AUTHZFORCE-48	16.2	30.0	9.0	35.2	0	0	3.1	89.4	62.8	0	0	.1	17.5	0	0	0	0	0
AUTHZFORCE-52	14.1	48.2	58.3	90.0	0	0	5.5	62.0	83.3	0	0	0	17.5	62.0	91.6	100.0	0	0
AUTHZFORCE-5	13.5	34.0	36.3	42.8	0	0	4.1	43.1	53.7	0	0	.4	18.5	22.3	20.4	27.3	.3	0
AUTHZFORCE-63	12.2	0	0	0	0	0	3.6	42.5	30.0	0	0	0	17.5	27.5	10.0	5.5	0	0
AUTHZFORCE-65	12.2	0	0	0	0	0	3.2	60.0	41.6	0	0	0	17.1	0	0	0	0	0
DUBBO-2	1.5	0	0	0	0	0	2.1	0	0	0	0	0	4.6	0	0	0	0	0
FASTJSON-1	1.6	0	0	0	0	0	4.2	.6	.5	.4	0	0	0	0	0	0	0	0
FASTJSON-3	14.5	17.4	10.1	9.5	0	0	11.6	10.4	5.0	6.3	0	0	0	0	0	0	0	0
FESCAR-12	14.9	26.9	0	0	0	0	2.8	26.9	0	0	0	0	16.4	73.0	12.5	50.0	0	0
FESCAR-18	14.7	30.4	21.4	21.7	0	0	4.1	32.6	35.7	0	0	0	17.7	72.4	61.9	81.1	0	0
FESCAR-1	14.1	41.0	18.7	40.9	0	0	4.7	79.7	60.4	0	0	0	17.3	99.1	97.9	97.7	0	0
FESCAR-23	14.8	23.8	7.1	25.0	0	0	3.2	38.0	28.5	0	0	0	17.3	73.0	63.0	78.5	0	.1
FESCAR-25	13.8	34.3	37.5	22.2	0	0	2.8	46.8	37.5	0	0	0	16.5	46.3	37.5	22.2	0	.1
FESCAR-36	14.9	29.0	15.3	15.2	0	0	9.5	29.0	14.7	0	0	0	17.3	100.0	100.0	100.0	0	0
FESCAR-37	13.8	50.0	32.3	46.8	0	0	5.1	51.0	35.2	0	0	0	18.5	69.3	52.9	71.8	0	0
FESCAR-41	0	0	0	0	0	0	18.3	.4	0	0	0	0	0	0	0	0	0	0
FESCAR-42	0	0	0	0	0	0	3.4	27.9	7.1	0	0	0	0	0	0	0	0	0
FESCAR-7	15.4	4.6	0	0	0	0	3.4	19.2	18.7	0	0	0	18.4	37.9	37.7	37.9	0	.3
OKIO-1	15.7	62.9	49.0	5.8	0	0	19.7	32.5	22.9	8.4	0	0	13.5	26.0	18.2	8.8	0	0
OKIO-4	12.1	1.4	.6	.9	0	0	2.9	1.4	.6	.9	0	0	18.1	22.3	19.2	13.0	0	0
SPOON-105	15.1	12.9	11.1	15.2	0	0	6.1	17.8	17.3	0	0	0	0	0	0	0	0	0
SPOON-155	13.4	14.9	0	7.1	0	0	3.1	19.4	6.2	0	0	0	19.3	24.3	11.9	19.0	0	0
SPOON-169	14.6	9.7	5.4	8.3	0	0	20.5	5.0	3.2	0	0	0	0	0	0	0	0	0
SPOON-16	13.8	9.1	1.9	9.0	0	0	3.5	16.0	7.8	0	0	0	19.4	47.8	33.9	45.4	0	0
SPOON-20	14.4	38.0	20.0	25.0	0	0	5.9	42.8	20.0	0	0	0	19.7	49.2	33.3	40.2	0	0
SPOON-211	13.3	11.8	2.5	12.5	0	0	3.4	20.3	15.3	0	0	0	19.3	19.4	8.1	27.7	0	0
SPOON-253	14.6	57.8	50.0	60.6	0	0	4.6	60.5	54.6	0	0	0	18.9	31.5	29.6	34.8	.2	0
SPOON-25	13.6	5.0	1.1	2.7	0	0	2.8	28.5	21.2	0	0	0	0	0	0	0	0	0
SPOON-32	19.3	25.0	6.2	6.6	0	0	8.0	30.0	12.5	0	0	0	3.2	5.0	2.0	1.1	0	0
SPOON-65	16.9	20.3	0	1.1	0	0	6.2	40.6	50.0	0	0	0	3.4	3.0	1.5	.1	0	0
WEBMAGIC-1	1.5	0	0	0	0	0	2.1	0	0	0	0	0	14.4	32.8	23.3	42.0	0	0
WEBMAGIC-4	14.0	69.0	8.3	58.6	0	0	19.8	12.6	2.0	9.7	0	0	4.5	0	0	0	0	0
ZXING-10	14.9	41.2	33.5	26.7	0	0	12.2	66.7	62.0	33.8	0	0	17.6	88.3	70.1	62.9	0	0

Table 6: Averaged results for 6 runs on 10 seconds time budget

CUT	Randoop						Sushi						Tardis					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	13.5	10.5	0	0	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-1	15.2	65.0	81.2	60.0	0	0	12.3	0	0	0	0	0	12.0	0	0	0	0	0
AUTHZFORCE-27	13.1	50.0	0	25.0	0	0	7.4	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-32	12.2	0	0	0	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-33	15.0	70.2	83.3	81.8	0	0	7.3	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-48	16.2	30.0	9.0	35.2	0	0	7.5	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-52	14.1	48.2	58.3	90.0	0	0	7.3	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-5	13.5	34.0	36.3	42.8	0	0	7.3	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-63	12.2	0	0	0	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
AUTHZFORCE-65	12.2	0	0	0	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
DUBBO-2	1.5	0	0	0	0	0	1.3	0	0	0	0	0	12.8	0	0	0	0	0
FASTJSON-1	1.6	0	0	0	0	0	3.6	0	0	0	0	0	1.6	0	0	0	0	0
FASTJSON-3	14.5	17.4	10.1	9.5	0	0	3.1	0	0	0	0	0	1.6	0	0	0	0	0
FESCAR-12	14.9	26.9	0	0	0	0	7.4	0	0	0	0	0	12.0	3.2	0	0	.9	0
FESCAR-18	14.7	30.4	21.4	21.7	0	0	7.3	0	0	0	0	0	17.3	18.4	3.5	15.2	0	0
FESCAR-1	14.1	41.0	18.7	40.9	0	0	17.5	0	0	0	0	0	12.1	0	0	0	0	0
FESCAR-23	14.8	23.8	7.1	25.0	0	0	7.2	0	0	0	0	0	12.0	0	0	0	0	0
FESCAR-25	13.8	34.3	37.5	22.2	0	0	7.4	0	0	0	0	0	10.6	0	0	0	0	0
FESCAR-36	14.9	29.0	15.3	15.2	0	0	7.3	0	0	0	0	0	12.0	2.9	.6	1.8	0	0
FESCAR-37	13.8	50.0	32.3	46.8	0	0	0	0	0	0	0	0	12.3	0	0	0	0	0
FESCAR-41	0	0	0	0	0	0	0	0	0	0	0	0	12.8	0	0	0	0	0
FESCAR-42	0	0	0	0	0	0	11.9	0	0	0	0	0	12.0	0	0	0	0	0
FESCAR-7	15.4	4.6	0	0	0	0	7.5	0	0	0	0	0	11.4	0	0	0	1.0	0
OKIO-1	15.7	62.9	49.0	5.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKIO-4	12.1	1.4	.6	.9	0	0	0	0	0	0	0	0	13.1	0	0	0	0	0
SPOON-105	15.1	12.9	11.1	15.2	0	0	12.6	0	0	0	0	0	12.2	0	0	0	0	0
SPOON-155	13.4	14.9	0	7.1	0	0	7.4	0	0	0	0	0	12.0	0	0	0	0	0
SPOON-169	14.6	9.7	5.4	8.3	0	0	0	0	0	0	0	0	13.1	0	0	0	0	0
SPOON-16	13.8	9.1	1.9	9.0	0	0	7.4	0	0	0	0	0	12.0	0	0	0	0	0
SPOON-20	14.4	38.0	20.0	25.0	0	0	7.4	0	0	0	0	0	12.0	0	0	0	0	0
SPOON-211	13.3	11.8	2.5	12.5	0	0	7.4	0	0	0	0	0	11.9	0	0	0	0	0
SPOON-253	14.6	57.8	50.0	60.6	0	0	7.4	0	0	0	0	0	12.0	0	0	0	0	0
SPOON-25	13.6	5.0	1.1	2.7	0	0	7.4	0	0	0	0	0	11.9	0	0	0	0	0
SPOON-32	19.3	25.0	6.2	6.6	0	0	7.2	0	0	0	0	0	11.9	0	0	0	0	0
SPOON-65	16.9	20.3	0	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEBMAGIC-1	1.5	0	0	0	0	0	14.2	0	0	0	0	0	12.0	0	0	0	0	0
WEBMAGIC-4	14.0	69.0	8.3	58.6	0	0	0	0	0	0	0	0	12.4	0	0	0	0	0
ZXING-10	14.9	41.2	33.5	26.7	0	0	17.5	0	0	0	0	0	12.1	0	0	0	0	0

Table 7: Averaged results for 6 runs on 60 seconds time budget

CUT	Randoop						T3						Evosuite					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	74.6	10.5	0	0	0	0	3.4	21.0	10.0	0	0	0	52.2	10.5	0	4.7	0	0
AUTHZFORCE-1	89.7	65.0	81.2	60.0	0	0	7.6	73.7	100.0	0	0	0	57.9	13.3	16.6	14.4	0	0
AUTHZFORCE-27	70.9	50.0	0	25.0	0	0	2.9	70.0	25.0	0	0	0	56.6	0	0	0	0	0
AUTHZFORCE-32	62.2	0	0	0	0	0	3.5	26.6	20.0	0	0	0	47.7	0	0	0	0	0
AUTHZFORCE-33	84.9	70.2	83.3	81.8	0	0	26.2	76.5	100.0	0	0	0	58.4	0	0	0	0	0
AUTHZFORCE-48	92.7	30.0	9.0	35.2	0	0	3.1	80.5	58.3	0	0	.1	49.7	18.8	12.1	16.6	0	0
AUTHZFORCE-52	75.3	48.2	58.3	90.0	0	0	5.6	62.0	83.3	0	0	0	58.1	0	0	0	0	0
AUTHZFORCE-5	72.9	34.0	36.3	42.8	0	0	4.2	43.1	54.5	0	0	.4	58.0	0	0	0	0	0
AUTHZFORCE-63	62.3	0	0	0	0	0	3.6	42.5	30.0	0	0	0	52.6	9.1	3.3	1.8	0	0
AUTHZFORCE-65	62.2	0	0	0	0	0	3.2	60.0	41.6	0	0	0	44.2	0	0	0	0	0
DUBBO-2	1.6	0	0	0	0	0	2.1	0	0	0	0	0	5.9	0	0	0	0	0
FASTJSON-1	1.5	0	0	0	0	0	15.4	.8	.7	.5	0	0	64.9	26.0	23.0	7.6	0	0
FASTJSON-3	84.1	19.7	13.2	1.5	0	0	67.4	21.2	14.9	12.9	0	0	59.0	19.4	13.3	9.3	0	0
FESCAR-12	88.6	26.9	0	0	0	0	2.8	26.9	0	0	0	0	52.3	100.0	87.5	100.0	0	0
FESCAR-18	77.5	30.4	21.4	21.7	0	0	3.8	32.6	35.7	0	0	0	60.7	57.6	48.8	60.8	0	0
FESCAR-1	81.1	41.0	18.7	40.9	0	0	4.8	83.6	64.5	0	0	0	56.6	99.1	95.8	97.7	0	0
FESCAR-23	88.5	28.5	14.2	35.7	0	0	3.2	38.0	28.5	0	0	0	56.5	91.2	78.5	97.0	0	0
FESCAR-25	81.2	34.3	37.5	22.2	0	0	2.8	46.8	37.5	0	0	0	69.4	46.8	62.5	22.2	0	.1
FESCAR-36	82.9	29.0	15.3	15.2	0	0	12.3	29.0	14.1	0	0	0	56.8	94.3	92.9	93.8	0	0
FESCAR-37	80.5	50.0	32.3	46.8	0	0	5.1	51.0	35.2	0	0	0	56.5	93.4	89.2	96.3	0	0
FESCAR-41	0	0	0	0	0	0	68.2	.8	.6	0	0	0	66.3	1.7	2.0	2.3	0	1.0
FESCAR-42	0	0	0	0	0	0	3.4	27.9	7.1	0	0	0	70.5	27.2	16.0	16.6	0	.1
FESCAR-7	93.5	4.6	0	0	0	0	3.6	19.2	18.7	0	0	0	57.2	79.3	78.3	92.8	0	.1
OKIO-1	0	0	0	0	0	0	69.7	15.5	10.2	5.2	0	0	62.1	67.8	57.0	20.2	0	0
OKIO-4	62.1	1.4	.6	.9	0	0	2.8	1.4	.6	.9	0	0	61.0	47.6	37.5	28.7	0	0
SPOON-105	86.8	12.9	11.1	15.2	0	0	6.1	17.6	16.6	0	0	0	59.5	21.7	22.1	27.7	0	0
SPOON-155	72.6	14.9	0	7.1	0	0	3.1	19.4	6.2	0	0	0	57.3	19.4	4.1	10.7	0	0
SPOON-169	79.1	9.7	5.4	8.3	0	0	70.5	6.9	4.2	0	0	0	59.9	0	0	0	.5	0
SPOON-16	77.1	9.1	1.9	9.0	0	0	3.5	16.0	7.8	0	0	0	57.7	47.7	34.3	43.9	0	0
SPOON-20	74.3	42.8	20.0	33.3	0	0	5.7	42.8	20.0	0	0	0	57.4	42.8	20.0	33.3	0	0
SPOON-211	69.1	11.8	2.5	12.5	0	0	3.3	20.3	15.3	0	0	0	57.4	26.8	19.2	36.8	0	0
SPOON-253	81.3	63.1	59.3	69.6	0	0	4.6	59.3	52.6	0	0	0	58.0	50.0	50.0	50.0	0	0
SPOON-25	74.0	5.0	1.1	2.7	0	0	2.8	28.1	20.8	0	0	0	0	0	0	0	0	0
SPOON-32	118.0	25.0	6.2	6.6	0	0	7.9	30.0	12.5	0	0	0	60.2	25.0	10.4	5.5	0	0
SPOON-65	93.9	20.3	0	1.1	0	0	6.1	40.6	50.0	0	0	0	56.9	39.8	49.7	2.3	0	0
WEBMAGIC-1	1.5	0	0	0	0	0	2.1	0	0	0	0	0	55.2	38.5	27.6	49.9	0	0
WEBMAGIC-4	77.0	69.0	8.3	58.6	0	0	69.8	23.2	6.2	22.4	0	0	4.6	0	0	0	0	0
ZXING-10	85.6	41.9	34.1	26.7	0	0	26.2	68.1	63.9	28.6	0	0	56.8	91.6	82.2	76.0	0	0

Table 8: Averaged results for 6 runs on 60 seconds time budget

CUT	Randoop						Sushi						Tardis					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	74.6	10.5	0	0	0	0	14.8	0	0	0	0	0	62.0	0	0	0	0	0
AUTHZFORCE-1	89.7	65.0	81.2	60.0	0	0	63.4	0	0	0	0	0	41.3	51.2	37.5	46.6	0	0
AUTHZFORCE-27	70.9	50.0	0	25.0	0	0	16.4	0	0	0	0	0	62.0	0	0	0	0	0
AUTHZFORCE-32	62.2	0	0	0	0	0	14.9	0	0	0	0	0	62.0	0	0	0	0	0
AUTHZFORCE-33	84.9	70.2	83.3	81.8	0	0	65.6	10.6	0	9.0	0	0	74.7	38.6	38.8	59.0	0	0
AUTHZFORCE-48	92.7	30.0	9.0	35.2	0	0	90.0	20.0	9.8	17.6	0	0	51.8	38.8	25.7	39.2	0	0
AUTHZFORCE-52	75.3	48.2	58.3	90.0	0	0	47.0	34.4	31.9	60.0	0	0	38.3	43.1	48.6	76.6	0	0
AUTHZFORCE-5	72.9	34.0	36.3	42.8	0	0	46.2	13.6	12.1	14.2	0	0	40.1	34.0	32.5	42.8	0	0
AUTHZFORCE-63	62.3	0	0	0	0	0	16.1	0	0	0	0	0	62.0	0	0	0	0	0
AUTHZFORCE-65	62.2	0	0	0	0	0	14.9	0	0	0	0	0	62.0	0	0	0	0	0
DUBBO-2	1.6	0	0	0	0	0	1.3	0	0	0	0	0	70.4	12.0	10.2	2.2	.3	0
FASTJSON-1	1.5	0	0	0	0	0	3.5	0	0	0	0	0	1.6	0	0	0	0	0
FASTJSON-3	84.1	19.7	13.2	1.5	0	0	3.0	0	0	0	0	0	1.6	0	0	0	0	0
FESCAR-12	88.6	26.9	0	0	0	0	58.2	20.5	0	0	.2	0	26.8	8.9	0	0	.9	0
FESCAR-18	77.5	30.4	21.4	21.7	0	0	26.1	10.8	0	4.3	0	0	18.9	18.4	3.5	15.2	0	0
FESCAR-1	81.1	41.0	18.7	40.9	0	0	67.7	36.0	10.4	37.8	0	0	34.1	19.9	5.2	18.9	0	0
FESCAR-23	88.5	28.5	14.2	35.7	0	0	43.6	26.1	10.7	26.7	0	0	30.4	23.4	9.5	21.4	0	0
FESCAR-25	81.2	34.3	37.5	22.2	0	0	22.3	0	0	0	0	0	15.6	0	0	0	.6	0
FESCAR-36	82.9	29.0	15.3	15.2	0	0	32.4	13.1	0	4.7	0	0	28.2	22.5	6.4	13.0	0	0
FESCAR-37	80.5	50.0	32.3	46.8	0	0	67.1	6.7	3.4	6.7	0	0	68.4	17.3	6.8	18.2	0	0
FESCAR-41	0	0	0	0	0	0	26.4	0	0	0	0	0	62.8	0	0	0	0	0
FESCAR-42	0	0	0	0	0	0	79.5	1.9	0	.6	.6	0	61.9	3.9	0	.6	.8	0
FESCAR-7	93.5	4.6	0	0	0	0	65.1	0	0	0	1.0	0	16.9	0	0	0	.9	0
OKIO-1	0	0	0	0	0	0	0	0	0	0	0	0	73.5	6.9	4.0	3.2	0	0
OKIO-4	62.1	1.4	.6	.9	0	0	0	0	0	0	0	0	62.8	0	0	0	0	0
SPOON-105	86.8	12.9	11.1	15.2	0	0	64.0	0	0	0	0	0	62.4	0	0	0	0	0
SPOON-155	72.6	14.9	0	7.1	0	0	48.7	0	0	0	0	0	62.0	0	0	0	0	0
SPOON-169	79.1	9.7	5.4	8.3	0	0	66.1	0	0	0	0	0	63.6	0	0	0	0	0
SPOON-16	77.1	9.1	1.9	9.0	0	0	48.3	0	0	0	0	0	62.0	0	0	0	0	0
SPOON-20	74.3	42.8	20.0	33.3	0	0	48.0	0	0	0	0	0	62.0	0	0	0	0	0
SPOON-211	69.1	11.8	2.5	12.5	0	0	48.8	0	0	0	0	0	62.0	0	0	0	0	0
SPOON-253	81.3	63.1	59.3	69.6	0	0	32.6	0	0	0	0	0	66.8	25.4	11.9	21.2	0	0
SPOON-25	74.0	5.0	1.1	2.7	0	0	75.6	0	0	0	0	0	62.0	2.5	1.1	1.8	.2	0
SPOON-32	118.0	25.0	6.2	6.6	0	0	47.7	0	0	0	0	0	62.0	0	0	0	0	0
SPOON-65	93.9	20.3	0	1.1	0	0	0	0	0	0	0	0	97.0	0	0	0	0	0
WEBMAGIC-1	1.5	0	0	0	0	0	11.4	0	0	0	0	0	62.6	1.4	0	0	0	.5
WEBMAGIC-4	77.0	69.0	8.3	58.6	0	0	74.0	60.5	12.5	53.4	0	0	21.9	23.4	4.1	20.6	0	0
ZXING-10	85.6	41.9	34.1	26.7	0	0	77.1	0	0	0	0	0	48.1	48.6	39.2	27.8	0	0

Table 9: Averaged results for 6 runs on 120 seconds time budget

CUT	Randoop						T3						Evosuite					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	149.2	10.5	0	0	0	0	3.5	21.0	10.0	0	0	0	99.8	0	0	0	0	0
AUTHZFORCE-1	180.9	65.0	81.2	60.0	0	0	4.6	72.5	100.0	0	0	0	114.6	0	0	0	0	0
AUTHZFORCE-27	142.9	50.0	0	25.0	0	0	2.9	70.0	25.0	0	0	0	105.2	0	0	0	0	0
AUTHZFORCE-32	122.3	0	0	0	0	0	3.7	26.6	20.0	0	0	0	105.8	0	0	0	0	0
AUTHZFORCE-33	171.3	70.2	83.3	81.8	0	0	5.8	76.5	100.0	0	0	0	115.6	0	0	0	0	0
AUTHZFORCE-48	186.0	30.0	9.0	35.2	0	0	3.0	89.4	63.6	0	0	.1	87.2	46.6	34.8	37.2	0	0
AUTHZFORCE-52	148.7	48.2	58.3	90.0	0	0	5.6	62.0	83.3	0	0	0	114.3	0	0	0	0	0
AUTHZFORCE-5	145.7	34.0	36.3	42.8	0	0	4.2	43.1	54.5	0	0	.4	113.9	0	0	0	0	0
AUTHZFORCE-63	122.2	0	0	0	0	0	3.5	42.5	30.0	0	0	0	99.7	0	0	0	0	0
AUTHZFORCE-65	122.2	0	0	0	0	0	3.2	60.0	41.6	0	0	0	86.2	2.5	0	0	0	0
DUBBO-2	1.6	0	0	0	0	0	2.1	0	0	0	0	0	6.0	0	0	0	0	0
FASTJSON-1	1.6	0	0	0	0	0	25.4	2.6	2.3	1.5	0	0	120.7	27.4	24.9	8.8	0	0
FASTJSON-3	164.9	21.0	14.3	1.5	0	0	126.8	22.7	16.0	12.8	0	0	115.5	27.8	20.5	14.0	0	0
FESCAR-12	170.2	26.9	0	0	0	0	2.8	26.9	0	0	0	0	89.3	100.0	87.5	100.0	0	0
FESCAR-18	152.9	30.4	21.4	21.7	0	0	4.0	32.6	35.7	0	0	0	108.2	61.9	55.9	68.1	0	0
FESCAR-1	158.2	41.0	18.7	40.9	0	0	4.6	83.0	61.4	0	0	0	112.3	99.4	96.8	98.4	0	0
FESCAR-23	170.1	28.5	14.2	35.7	0	0	3.2	38.0	28.5	0	0	0	88.4	74.6	64.2	79.1	0	0
FESCAR-25	144.5	34.3	37.5	22.2	0	0	2.8	46.8	37.5	0	0	0	104.4	39.0	52.0	18.5	0	.1
FESCAR-36	165.7	29.0	15.3	15.2	0	0	15.3	29.0	12.8	0	0	0	93.4	80.6	80.1	81.1	0	0
FESCAR-37	156.9	50.0	32.3	46.8	0	0	5.2	51.0	35.2	0	0	0	112.3	93.9	91.1	94.7	0	0
FESCAR-41	0	0	0	0	0	0	123.1	.4	0	0	0	0	124.2	1.7	2.0	2.3	0	0
FESCAR-42	0	0	0	0	0	0	3.3	27.9	7.1	0	0	0	128.3	42.6	27.3	27.7	0	.1
FESCAR-7	190.9	4.6	0	0	0	0	3.5	19.2	18.7	0	0	0	90.6	69.3	69.0	79.3	0	0
OKIO-1	0	0	0	0	0	0	129.7	28.5	18.2	1.6	0	0	120.5	68.8	62.2	16.2	0	0
OKIO-4	122.2	1.4	.6	.9	0	0	2.8	1.4	.6	.9	0	0	119.2	62.9	51.3	40.0	0	0
SPOON-105	167.5	12.9	11.1	15.2	0	0	6.0	17.8	16.7	0	0	0	99.0	15.1	13.6	19.2	0	0
SPOON-155	136.7	14.9	0	7.1	0	0	3.0	19.4	6.2	0	0	0	77.1	4.2	2.0	3.5	0	0
SPOON-169	158.8	9.7	5.4	8.3	0	0	130.5	10.4	5.1	0	0	0	92.4	0	0	0	0	0
SPOON-16	142.7	9.1	1.9	9.0	0	0	3.6	16.0	7.8	0	0	0	73.1	0	0	0	0	0
SPOON-20	145.8	66.6	40.0	58.3	0	0	5.9	42.8	20.0	0	0	0	92.3	0	0	0	0	0
SPOON-211	137.1	11.8	2.5	12.5	0	0	3.4	20.3	15.3	0	0	0	60.4	0	0	0	0	0
SPOON-253	163.9	63.1	59.3	69.6	0	0	4.5	59.6	53.1	0	0	0	114.1	0	0	0	0	0
SPOON-25	144.5	5.0	1.1	2.7	0	0	2.8	28.5	21.2	0	0	0	100.2	0	0	0	0	0
SPOON-32	39.9	4.1	1.0	1.1	0	0	8.0	30.0	12.5	0	0	0	114.3	25.0	10.4	5.5	0	0
SPOON-65	193.5	20.3	0	1.1	0	0	6.1	40.6	50.0	0	0	0	105.0	11.1	16.6	.9	0	0
WEBMAGIC-1	1.5	0	0	0	0	0	2.1	0	0	0	0	0	81.3	33.4	24.0	42.7	0	0
WEBMAGIC-4	160.5	69.0	8.3	58.6	0	0	129.8	32.8	5.5	31.6	0	0	4.7	0	0	0	0	0
ZXING-10	179.5	41.9	34.1	26.7	0	0	26.4	68.4	63.8	34.0	0	0	101.6	91.5	82.9	72.6	0	0

Table 10: Averaged results for 6 runs on 120 seconds time budget

CUT	Randoop						Sushi						Tardis					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	149.2	10.5	0	0	0	0	14.8	0	0	0	0	0	122.0	0	0	0	0	0
AUTHZFORCE-1	180.9	65.0	81.2	60.0	0	0	123.1	0	0	0	0	0	39.0	52.4	37.5	46.6	0	0
AUTHZFORCE-27	142.9	50.0	0	25.0	0	0	16.2	0	0	0	0	0	122.0	0	0	0	0	0
AUTHZFORCE-32	122.3	0	0	0	0	0	15.0	0	0	0	0	0	121.9	0	0	0	0	0
AUTHZFORCE-33	171.3	70.2	83.3	81.8	0	0	156.5	10.6	0	9.0	0	0	0	0	0	0	0	0
AUTHZFORCE-48	186.0	30.0	9.0	35.2	0	0	150.4	20.0	10.6	17.6	0	0	51.4	35.5	21.9	36.2	0	0
AUTHZFORCE-52	148.7	48.2	58.3	90.0	0	0	76.8	34.4	33.3	60.0	0	0	32.7	44.8	48.6	80.0	0	0
AUTHZFORCE-5	145.7	34.0	36.3	42.8	0	0	76.2	20.4	18.1	21.4	0	0	40.1	34.0	31.8	42.8	0	0
AUTHZFORCE-63	122.2	0	0	0	0	0	16.1	0	0	0	0	0	122.0	0	0	0	0	0
AUTHZFORCE-65	122.2	0	0	0	0	0	14.9	0	0	0	0	0	122.0	0	0	0	0	0
DUBBO-2	1.6	0	0	0	0	0	1.3	0	0	0	0	0	126.2	31.2	26.5	8.5	.3	0
FASTJSON-1	1.6	0	0	0	0	0	3.6	0	0	0	0	0	1.8	0	0	0	0	0
FASTJSON-3	164.9	21.0	14.3	1.5	0	0	3.2	0	0	0	0	0	1.6	0	0	0	0	0
FESCAR-12	170.2	26.9	0	0	0	0	60.9	19.2	0	0	.2	0	26.5	14.1	0	0	.8	0
FESCAR-18	152.9	30.4	21.4	21.7	0	0	27.2	10.8	0	4.3	0	0	19.0	20.6	5.9	19.5	0	0
FESCAR-1	158.2	41.0	18.7	40.9	0	0	124.5	32.7	4.1	31.8	0	0	0	0	0	0	0	0
FESCAR-23	170.1	28.5	14.2	35.7	0	0	43.3	26.1	10.7	26.7	0	0	30.1	22.2	8.3	19.6	0	0
FESCAR-25	144.5	34.3	37.5	22.2	0	0	22.3	0	0	0	0	0	20.4	0	0	0	.9	0
FESCAR-36	165.7	29.0	15.3	15.2	0	0	31.0	12.9	0	4.3	0	0	28.1	22.5	6.4	13.0	0	0
FESCAR-37	156.9	50.0	32.3	46.8	0	0	93.6	23.2	9.8	21.3	0	0	80.6	18.9	8.3	17.7	0	0
FESCAR-41	0	0	0	0	0	0	26.4	0	0	0	0	0	73.3	0	0	0	0	0
FESCAR-42	0	0	0	0	0	0	92.1	0	0	0	1.0	0	63.9	3.9	.5	.6	.8	0
FESCAR-7	190.9	4.6	0	0	0	0	68.7	0	0	0	1.0	0	15.0	0	0	0	1.0	0
OKIO-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKIO-4	122.2	1.4	.6	.9	0	0	0	0	0	0	0	0	122.5	0	0	0	0	0
SPOON-105	167.5	12.9	11.1	15.2	0	0	129.5	0	0	0	0	0	122.2	0	0	0	0	0
SPOON-155	136.7	14.9	0	7.1	0	0	78.8	0	0	0	0	0	129.8	9.4	2.0	5.3	0	.3
SPOON-169	158.8	9.7	5.4	8.3	0	0	128.6	0	0	0	0	0	123.7	0	0	0	0	0
SPOON-16	142.7	9.1	1.9	9.0	0	0	78.0	0	0	0	0	0	124.4	1.9	.6	1.5	0	0
SPOON-20	145.8	66.6	40.0	58.3	0	0	77.9	0	0	0	0	0	122.0	0	0	0	.6	0
SPOON-211	137.1	11.8	2.5	12.5	0	0	79.1	0	0	0	0	0	113.4	9.6	.8	8.3	0	0
SPOON-253	163.9	63.1	59.3	69.6	0	0	62.6	0	0	0	0	0	83.4	19.2	9.8	19.1	0	0
SPOON-25	144.5	5.0	1.1	2.7	0	0	142.4	7.2	4.1	5.5	.2	0	96.9	3.7	1.7	2.5	.1	0
SPOON-32	39.9	4.1	1.0	1.1	0	0	77.7	0	0	0	0	0	122.0	0	0	0	0	0
SPOON-65	193.5	20.3	0	1.1	0	0	129.3	0	0	0	0	0	0	0	0	0	0	0
WEBMAGIC-1	1.5	0	0	0	0	0	11.2	0	0	0	0	0	122.2	1.4	0	0	0	.9
WEBMAGIC-4	160.5	69.0	8.3	58.6	0	0	177.0	61.9	12.5	56.8	0	0	0	0	0	0	0	0
ZXING-10	179.5	41.9	34.1	26.7	0	0	139.0	0	0	0	0	0	38.4	12.2	9.8	7.1	0	0

Table 11: Averaged results for 6 runs on 240 seconds time budget

CUT	Randoop						T3						Evosuite					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	274.2	10.5	0	0	0	0	3.4	21.0	10.0	0	0	.1	172.4	0	0	0	0	0
AUTHZFORCE-1	326.7	65.0	81.2	60.0	0	0	4.9	74.5	100.0	0	0	0	226.8	0	0	0	0	0
AUTHZFORCE-27	265.9	50.0	0	25.0	0	0	2.9	70.0	25.0	0	0	0	185.7	0	0	0	0	0
AUTHZFORCE-32	242.2	0	0	0	0	0	3.5	26.6	20.0	0	0	0	178.1	0	0	0	0	0
AUTHZFORCE-33	298.8	70.2	83.3	81.8	0	0	4.4	76.5	100.0	0	0	0	226.4	0	0	0	0	0
AUTHZFORCE-48	312.6	30.0	9.0	35.2	0	0	3.0	81.1	58.3	0	0	.1	159.7	73.3	60.6	69.6	0	0
AUTHZFORCE-52	298.0	48.2	58.3	90.0	0	0	5.5	62.0	83.3	0	0	0	203.4	0	0	0	0	0
AUTHZFORCE-5	266.1	34.0	36.3	42.8	0	0	4.1	43.1	54.5	0	0	.4	199.0	0	0	0	0	0
AUTHZFORCE-63	242.2	0	0	0	0	0	3.6	42.5	30.0	0	0	0	163.5	0	0	0	0	0
AUTHZFORCE-65	242.2	0	0	0	0	0	3.2	60.0	41.6	0	0	0	159.7	15.0	0	0	0	0
DUBBO-2	1.5	0	0	0	0	0	2.0	0	0	0	0	0	5.9	0	0	0	0	0
FASTJSON-1	1.5	0	0	0	0	0	45.4	4.9	4.2	1.2	0	0	235.0	33.1	31.6	6.5	0	0
FASTJSON-3	340.2	21.1	14.5	1.5	0	0	247.9	23.4	16.7	11.6	0	0	227.4	32.9	25.6	19.1	0	0
FESCAR-12	355.9	26.9	0	0	0	0	2.8	26.9	0	0	0	0	159.0	100.0	87.5	100.0	0	0
FESCAR-18	302.0	30.4	21.4	21.7	0	0	3.9	32.6	35.7	0	0	0	167.1	46.7	42.8	51.4	0	0
FESCAR-1	320.2	41.0	18.7	40.9	0	0	4.8	84.5	68.7	0	0	0	186.9	99.7	98.9	100.0	0	0
FESCAR-23	352.6	28.5	14.2	35.7	0	0	3.2	38.0	28.5	0	0	0	169.5	96.0	83.3	98.8	0	0
FESCAR-25	264.2	34.3	37.5	22.2	0	0	2.7	46.8	37.5	0	0	0	235.9	38.5	50.0	18.5	0	0
FESCAR-36	326.5	29.0	15.3	15.2	0	0	13.1	29.0	12.8	0	0	0	164.2	82.7	83.3	82.9	0	0
FESCAR-37	299.1	50.0	32.3	46.8	0	0	5.2	51.0	35.2	0	0	0	202.3	94.3	91.1	95.8	0	0
FESCAR-41	0	0	0	0	0	0	225.3	.4	0	0	0	0	215.9	1.7	2.0	2.3	0	0
FESCAR-42	0	0	0	0	0	0	3.3	27.9	7.1	0	0	0	201.2	37.2	23.2	24.3	0	.1
FESCAR-7	387.9	4.6	0	0	0	0	3.5	19.2	18.7	0	0	0	130.6	58.3	58.0	65.5	0	0
OKIO-1	0	0	0	0	0	0	249.7	30.3	21.3	8.1	0	0	214.4	73.5	67.8	18.4	0	0
OKIO-4	242.1	1.4	.6	.9	0	0	2.9	1.4	.6	.9	0	0	198.5	73.6	63.4	37.7	0	0
SPOON-105	341.1	13.4	12.5	17.6	0	0	6.0	17.5	16.7	0	0	0	162.8	4.0	3.1	4.5	0	0
SPOON-155	256.3	14.9	0	7.1	0	0	3.1	19.4	6.2	0	0	0	153.7	8.4	0	4.1	0	0
SPOON-169	325.9	9.7	5.4	8.3	0	0	250.5	7.4	4.1	0	0	0	138.7	0	0	0	0	0
SPOON-16	262.2	9.1	1.9	9.0	0	0	3.5	16.0	7.8	0	0	0	86.9	2.2	.9	2.0	0	0
SPOON-20	293.8	66.6	40.0	58.3	0	0	6.1	42.8	20.0	0	0	0	137.6	0	0	0	0	0
SPOON-211	271.8	11.8	2.5	12.5	0	0	3.4	20.3	15.3	0	0	0	135.9	9.3	3.4	11.8	0	0
SPOON-253	333.8	63.1	59.3	69.6	0	0	4.7	59.0	52.0	0	0	0	190.0	0	0	0	0	0
SPOON-25	281.5	5.0	1.1	2.7	0	0	2.8	28.5	21.2	0	0	0	169.2	0	0	0	0	0
SPOON-32	160.3	8.3	2.0	2.2	0	0	7.9	30.0	12.5	0	0	0	178.3	25.0	10.4	5.5	0	0
SPOON-65	381.2	20.3	0	1.1	0	0	6.2	40.6	50.0	0	0	0	199.9	8.6	4.7	1.6	0	0
WEBMAGIC-1	1.5	0	0	0	0	0	2.1	0	0	0	0	0	164.5	42.6	31.3	54.2	0	0
WEBMAGIC-4	288.0	69.0	8.3	58.6	0	0	249.8	17.1	5.5	14.9	0	0	4.6	0	0	0	0	0
ZXING-10	348.1	41.9	34.1	26.7	0	0	25.9	68.9	64.7	33.5	0	0	171.9	92.0	83.9	72.7	0	0

Table 12: Averaged results for 6 runs on 240 seconds time budget

CUT	Randoop						Sushi						Tardis					
	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B	gen_t	cov_i	cov_b	cov_m	U	B
AUTHZFORCE-11	274.2	10.5	0	0	0	0	15.0	0	0	0	0	0	201.4	0	0	0	0	0
AUTHZFORCE-1	326.7	65.0	81.2	60.0	0	0	247.6	0	0	0	0	0	40.3	51.2	35.4	46.6	0	0
AUTHZFORCE-27	265.9	50.0	0	25.0	0	0	16.4	0	0	0	0	0	228.2	0	0	0	0	0
AUTHZFORCE-32	242.2	0	0	0	0	0	14.8	0	0	0	0	0	207.6	0	0	0	0	0
AUTHZFORCE-33	298.8	70.2	83.3	81.8	0	0	276.0	10.6	0	9.0	0	0	0	0	0	0	0	0
AUTHZFORCE-48	312.6	30.0	9.0	35.2	0	0	269.9	20.0	10.6	17.6	0	0	51.6	35.0	19.6	36.2	0	0
AUTHZFORCE-52	298.0	48.2	58.3	90.0	0	0	136.7	28.7	26.3	50.0	0	0	32.8	44.8	48.6	80.0	0	0
AUTHZFORCE-5	266.1	34.0	36.3	42.8	0	0	136.2	20.4	18.1	21.4	0	0	39.0	34.0	33.3	42.8	0	0
AUTHZFORCE-63	242.2	0	0	0	0	0	16.0	0	0	0	0	0	201.7	0	0	0	0	0
AUTHZFORCE-65	242.2	0	0	0	0	0	14.7	0	0	0	0	0	201.0	0	0	0	0	0
DUBBO-2	1.5	0	0	0	0	0	1.3	0	0	0	0	0	205.3	24.2	19.8	6.6	.3	0
FASTJSON-1	1.5	0	0	0	0	0	3.5	0	0	0	0	0	1.6	0	0	0	0	0
FASTJSON-3	340.2	21.1	14.5	1.5	0	0	3.2	0	0	0	0	0	1.6	0	0	0	0	0
FESCAR-12	355.9	26.9	0	0	0	0	78.8	19.2	0	0	.2	0	26.6	6.4	0	0	.9	0
FESCAR-18	302.0	30.4	21.4	21.7	0	0	27.1	10.8	0	4.3	0	0	18.9	18.4	3.5	15.2	0	0
FESCAR-1	320.2	41.0	18.7	40.9	0	0	206.4	32.7	4.1	31.8	0	0	0	0	0	0	0	0
FESCAR-23	352.6	28.5	14.2	35.7	0	0	43.6	27.7	11.9	28.5	0	0	29.8	23.8	9.5	21.4	0	0
FESCAR-25	264.2	34.3	37.5	22.2	0	0	25.9	3.1	0	0	.3	0	20.7	3.1	0	0	.3	0
FESCAR-36	326.5	29.0	15.3	15.2	0	0	30.8	13.4	0	5.0	0	0	27.7	23.6	7.0	14.4	0	0
FESCAR-37	299.1	50.0	32.3	46.8	0	0	91.3	18.0	5.3	14.5	0	0	114.9	22.6	12.7	24.4	0	0
FESCAR-41	0	0	0	0	0	0	26.1	0	0	0	0	0	68.2	0	0	0	0	0
FESCAR-42	0	0	0	0	0	0	129.3	4.1	.5	3.4	.9	0	64.9	1.4	0	.6	.9	0
FESCAR-7	387.9	4.6	0	0	0	0	66.7	0	0	0	1.0	0	16.3	.5	0	0	.7	0
OKIO-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OKIO-4	242.1	1.4	.6	.9	0	0	0	0	0	0	0	0	242.6	0	0	0	0	0
SPOON-105	341.1	13.4	12.5	17.6	0	0	266.9	0	0	0	0	0	242.6	5.8	3.2	6.2	0	0
SPOON-155	256.3	14.9	0	7.1	0	0	123.2	5.4	0	2.3	0	0	229.8	16.1	3.1	7.7	0	0
SPOON-169	325.9	9.7	5.4	8.3	0	0	315.3	0	0	0	0	0	242.9	0	0	0	0	0
SPOON-16	262.2	9.1	1.9	9.0	0	0	136.7	1.5	.3	1.5	.2	0	230.2	6.8	2.2	4.5	0	0
SPOON-20	293.8	66.6	40.0	58.3	0	0	137.5	4.7	3.3	2.7	.3	0	242.1	3.9	0	2.7	.3	0
SPOON-211	271.8	11.8	2.5	12.5	0	0	135.3	7.6	0	4.8	0	0	242.0	6.2	.4	4.1	0	0
SPOON-253	333.8	63.1	59.3	69.6	0	0	125.1	0	0	0	0	0	121.1	15.4	8.8	14.6	0	0
SPOON-25	281.5	5.0	1.1	2.7	0	0	186.3	5.6	3.7	4.6	0	0	211.4	2.7	1.5	1.8	.4	0
SPOON-32	160.3	8.3	2.0	2.2	0	0	137.7	0	0	0	0	0	242.0	0	0	0	0	0
SPOON-65	381.2	20.3	0	1.1	0	0	130.6	0	0	0	0	0	0	0	0	0	0	0
WEBMAGIC-1	1.5	0	0	0	0	0	11.2	0	0	0	0	0	242.3	1.4	0	0	0	.8
WEBMAGIC-4	288.0	69.0	8.3	58.6	0	0	296.7	60.5	11.8	56.3	0	0	0	0	0	0	0	0
ZXING-10	348.1	41.9	34.1	26.7	0	0	262.6	0	0	0	0	0	80.8	24.5	19.7	14.1	0	0

Table 13: Results for manual and averaged combined and tools results on 240s budget (38 CUTs)

CUT	manual			combined 240s			t3 240s			evosuite 240s			sushi 240s			tardis 240s		
	cov_i	cov_b	cov_m	cov_i	cov_b	cov_m	cov_i	cov_b	cov_m	cov_i	cov_b	cov_m	cov_i	cov_b	cov_m	cov_i	cov_b	cov_m
AUTHZFORCE-11	83.0	80.0	28.0	0	0	0	21.0	10.0	0	0	0	0	0	0	0	0	0	0
AUTHZFORCE-1	0	0	0	0	0	0	74.5	100.0	0	0	0	0	0	0	0	51.2	35.4	46.6
AUTHZFORCE-27	40.0	50.0	75.0	0	0	0	70.0	25.0	0	0	0	0	0	0	0	0	0	0
AUTHZFORCE-32	49.0	63.0	54.0	0	0	0	26.6	20.0	0	0	0	0	0	0	0	0	0	0
AUTHZFORCE-33	0	0	0	0	0	0	76.5	100.0	0	0	0	0	10.6	0	9.0	0	0	0
AUTHZFORCE-48	0	0	0	96.6	75.7	96.0	81.1	58.3	0	73.3	60.6	69.6	20.0	10.6	17.6	35.0	19.6	36.2
AUTHZFORCE-52	0	0	0	0	0	0	62.0	83.3	0	0	0	0	28.7	26.3	50.0	44.8	48.6	80.0
AUTHZFORCE-5	0	0	0	0	0	0	43.1	54.5	0	0	0	0	20.4	18.1	21.4	34.0	33.3	42.8
AUTHZFORCE-63	0	0	0	0	0	0	42.5	30.0	0	0	0	0	0	0	0	0	0	0
AUTHZFORCE-65	0	0	0	60.0	41.6	60.0	60.0	41.6	0	15.0	0	0	0	0	0	0	0	0
DUBBO-2	38.0	32.0	42.0	29.2	23.6	7.7	0	0	0	0	0	0	0	0	0	24.2	19.8	6.6
FASTJSON-1	8.0	6.0	5.0	33.3	31.7	2.0	4.9	4.2	1.2	33.1	31.6	6.5	0	0	0	0	0	0
FASTJSON-3	56.0	49.0	22.0	34.5	27.6	13.8	23.4	16.7	11.6	32.9	25.6	19.1	0	0	0	0	0	0
FESCAR-12	0	0	0	100.0	87.5	100.0	26.9	0	0	100.0	87.5	100.0	19.2	0	0	6.4	0	0
FESCAR-18	0	0	0	57.2	57.1	61.5	32.6	35.7	0	46.7	42.8	51.4	10.8	0	4.3	18.4	3.5	15.2
FESCAR-1	0	0	0	100.0	100.0	100.0	84.5	68.7	0	99.7	98.9	100.0	32.7	4.1	31.8	0	0	0
FESCAR-23	0	0	0	96.0	83.3	98.8	38.0	28.5	0	96.0	83.3	98.8	27.7	11.9	28.5	23.8	9.5	21.4
FESCAR-25	0	0	0	46.8	58.3	22.2	46.8	37.5	0	38.5	50.0	18.5	3.1	0	0	3.1	0	0
FESCAR-36	0	0	0	87.6	85.8	85.8	29.0	12.8	0	82.7	83.3	82.9	13.4	0	5.0	23.6	7.0	14.4
FESCAR-37	0	0	0	94.3	91.1	95.8	51.0	35.2	0	94.3	91.1	95.8	18.0	5.3	14.5	22.6	12.7	24.4
FESCAR-41	0	0	0	1.7	2.0	2.3	.4	0	0	1.7	2.0	2.3	0	0	0	0	0	0
FESCAR-42	0	0	0	44.3	27.9	28.4	27.9	7.1	0	37.2	23.2	24.3	4.1	.5	3.4	1.4	0	.6
FESCAR-7	0	0	0	76.7	77.3	85.3	19.2	18.7	0	58.3	58.0	65.5	0	0	0	.5	0	0
OKIO-1	83.0	76.0	3.0	79.9	72.4	5.5	30.3	21.3	8.1	73.5	67.8	18.4	0	0	0	0	0	0
OKIO-4	90.0	73.0	27.0	89.3	76.7	5.1	1.4	.6	.9	73.6	63.4	37.7	0	0	0	0	0	0
SPOON-105	84.0	79.0	71.0	12.4	11.8	15.8	17.5	16.7	0	4.0	3.1	4.5	0	0	0	5.8	3.2	6.2
SPOON-155	98.0	93.0	100.0	10.9	4.6	7.1	19.4	6.2	0	8.4	0	4.1	5.4	0	2.3	16.1	3.1	7.7
SPOON-169	97.0	89.0	68.0	10.5	6.1	9.2	7.4	4.1	0	0	0	0	0	0	0	0	0	0
SPOON-16	96.0	84.0	87.0	13.4	7.1	17.6	16.0	7.8	0	2.2	.9	2.0	1.5	.3	1.5	6.8	2.2	4.5
SPOON-20	91.0	70.0	75.0	66.6	40.0	58.3	42.8	20.0	0	0	0	0	4.7	3.3	2.7	3.9	0	2.7
SPOON-211	98.0	94.0	86.0	6.7	5.1	9.7	20.3	15.3	0	9.3	3.4	11.8	7.6	0	4.8	6.2	.4	4.1
SPOON-253	97.0	87.0	94.0	10.5	9.8	11.6	59.0	52.0	0	0	0	0	0	0	0	15.4	8.8	14.6
SPOON-25	60.0	63.0	57.0	30.0	22.6	24.7	28.5	21.2	0	0	0	0	5.6	3.7	4.6	2.7	1.5	1.8
SPOON-32	88.0	87.0	92.0	4.1	1.0	1.1	30.0	12.5	0	25.0	10.4	5.5	0	0	0	0	0	0
SPOON-65	99.0	99.0	100.0	20.3	25.0	.5	40.6	50.0	0	8.6	4.7	1.6	0	0	0	0	0	0
WEBMAGIC-1	0	0	0	42.6	31.3	54.2	0	0	0	42.6	31.3	54.2	0	0	0	1.4	0	0
WEBMAGIC-4	0	0	0	73.7	17.3	66.0	17.1	5.5	14.9	0	0	0	60.5	11.8	56.3	0	0	0
ZXING-10	91.0	83.0	21.0	92.3	84.6	17.0	68.9	64.7	33.5	92.0	83.9	72.7	0	0	0	24.5	19.7	14.1