Table 1 the number of faults detected in subject *Flex*

Version	Bottom-up					Bottom-up				
	2-wise	3-wise	4-wise	5-wise	6-wise	2-wise	3-wise	4-wise	5-wise	6-wise
v1	17	22	27	28	32	16	21	24	28	31
v2	19	23	27	28	32	18	23	26	28	31
v3	10	15	17	18	20	12	15	17	18	19
v4	19	23	28	29	33	18	23	26	29	32
v5	18	22	27	28	32	17	22	25	28	31

Table 2 the number of faults detected in subject *Grep(SIR)*

Version	Bottom-up					Bottom-up				
	2-wise	3-wise	4-wise	5-wise	6-wise	2-wise	3-wise	4-wise	5-wise	6-wise
v1	32	37	39	39	39	35	17	15	19	39
v2	17	18	18	18	18	37	18	15	19	50
v3	15	15	15	15	15	38	18	15	19	53
v4	19	19	19	19	19	39	18	15	19	54
v5	40	46	53	54	54	39	18	15	19	54

Table 3 the number of faults detected in subject *Gzip*

Version	Bottom-up					Bottom-up				
	2-wise	3-wise	4-wise	5-wise	6-wise	2-wise	3-wise	4-wise	5-wise	6-wise
v1	8	8	8	8	8	8	8	8	8	8
v2	8	8	8	8	8	8	8	8	8	8
v3	7	7	7	7	7	7	7	7	7	7
v4	7	7	7	7	7	7	7	7	7	7
v5	7	7	7	7	7	7	7	7	7	7

Table 4 the number of faults detected in subject *Make*

Version	Bottom-up					Bottom-up				
	2-wise	3-wise	4-wise	5-wise	6-wise	2-wise	3-wise	4-wise	5-wise	6-wise
v1	3	4	4	4	4	3	3	4	4	4
v2	3	3	3	3	3	2	3	3	3	3
v3	2	3	3	3	4	3	3	3	4	4
v4	2	3	3	3	3	3	3	3	3	3
v5	3	4	4	4	4	3	3	4	4	4

Table 5 the number of faults detected in subject *Sed*

Version	Bottom-up					Bottom-up				
	2-wise	3-wise	4-wise	5-wise	6-wise	2-wise	3-wise	4-wise	5-wise	6-wise
v1	12	14	15	15	15	13	15	15	15	15
v2	11	14	15	15	15	12	15	15	15	15
v3	12	15	16	16	16	13	16	16	16	16
v4	13	16	17	17	17	14	17	17	17	17
v5	15	18	19	19	19	17	19	19	19	19

Table 6 the number of faults detected in subject *Findutils*

Version	Bottom-Up					Top-Down				
	2-wise	3-wise	4-wise	5-wise	6-wise	2-wise	3-wise	4-wise	5-wise	6-wise
e6680237	1	1	1	1	1	0	1	1	1	1
183115d0	0	0	0	0	0	0	0	0	1	1
e1d0a991	1	1	1	1	1	1	1	1	1	1
93623752	0	0	0	0	1	0	0	0	0	1
b445af98	0	1	1	1	1	0	1	1	1	1
c8491c11	0	0	0	0	0	0	0	0	1	1
f7197f3a	0	0	0	0	0	0	0	0	1	1
dbcb10e9	0	0	1	1	1	0	0	0	1	1
66c536bb	1	1	1	1	1	1	1	1	1	1
24bf33c0	1	1	1	1	1	1	1	1	1	1
091557f6	1	1	1	1	1	1	1	1	1	1
07b941b1	1	1	1	1	1	1	1	1	1	1
24e2271e	0	0	0	1	1	0	0	0	0	0
ff248a20	0	0	1	1	1	1	1	1	1	1
6e4cecb6	1	1	1	1	1	1	1	1	1	1

Table 7 the number of faults detected in subject *Grep(CoRE)*

Version	Bottom-Up					Top-Down				
	2-way	3-way	4-way	5-way	6-way	2-way	3-way	4-way	5-way	6-way
074842d3	0	0	0	0	0	0	0	0	0	0
2be0c659	0	0	0	1	1	0	0	0	1	1
3220317a	0	1	1	1	1	1	1	1	1	1
3c3bdace	1	1	1	1	1	1	1	1	1	1
54d55bba	1	1	1	1	1	1	1	1	1	1
55cf7b6a	1	1	1	1	1	0	0	1	1	1
58195fab	1	1	1	1	1	1	1	1	1	1
5fa8c7c9	0	0	1	1	1	0	1	1	1	1
6d952bee	0	0	1	1	1	0	1	1	1	1
7aa698d3	0	0	1	1	1	0	1	1	1	1
8f08d8e2	1	1	1	1	1	0	1	1	1	1
9c45c193	0	1	1	1	1	1	1	1	1	1
c1cb19fe	0	1	1	1	1	0	0	1	1	1
c96b0f2c	0	0	1	1	1	0	1	1	1	1
db9d6340	0	0	0	1	1	0	0	1	1	1