Table 1 the coverage of 3, 4, 5 and 6-strength interactions of the 2-wise sub-covering arrays

Subject	3-wise			4-wise			5-wise			6-wise		
	Bottom-up	Top-down	Improve									
Flex	84. 57%	86. 17%	1.60%	61. 25%	62. 87%	1.62%	39. 61%	40. 48%	0.87%	24. 20%	24. 53%	0.32%
Grep(SIR)	80. 22%	82. 25%	2.03%	58. 35%	60.95%	2.60%	40.80%	42.94%	2. 14%	28. 39%	29. 79%	1.40%
Gzip	92.34%	92.53%	0.18%	80. 97%	81. 33%	0.36%	68.90%	69. 32%	0.43%	57. 59%	57. 96%	0.37%
make	82.10%	83. 79%	1.69%	51. 45%	52.86%	1.42%	28. 47%	29. 11%	0.64%	15. 07%	15. 29%	0. 22%
Sed	86. 92%	88.95%	2.03%	72. 19%	75. 41%	3. 22%	58. 99%	62. 38%	3. 38%	47. 98%	50. 91%	2. 93%
Findutils	64. 20%	68. 21%	4.01%	30.64%	33. 28%	2.64%	12. 31%	13. 38%	1.07%	4. 63%	5. 01%	0.37%
Grep (CoRE)	73. 10%	79.05%	5.94%	41.48%	46. 97%	5. 49%	20. 63%	23. 77%	3. 14%	9. 70%	11.25%	1.55%