

Table 1 the coverage of 6-strength interactions of the 5-wise sub-covering arrays

Subject	6-wise		
	Bottom-up	Top-down	Improve
Flex	96.34%	96.88%	0.54%
Grep(SIR)	99.97%	99.97%	0.00%
Gzip	100.00%	100.00%	0.00%
make	90.12%	90.68%	0.56%
Sed	100.00%	100.00%	0.00%
Findutils	83.12%	84.75%	1.63%
Grep(CoRE)	93.09%	93.97%	0.88%
Nanoxml	100.00%	100.00%	0.00%
Siena	98.56%	98.47%	-0.10%