

Table 1 the sizes of sub-covering arrays with strength from 2 to 6

Subject	Bottom-up					Top-down				
	2-wise	3-wise	4-wise	5-wise	6-wise	2-wise	3-wise	4-wise	5-wise	6-wise
Flex	26	65	129	220	361	26	67	129	222	338
Grep(SIR)	48	157	306	438	440	49	154	295	438	440
Gzip	18	54	87	144	144	18	57	80	144	144
Make	9	19	45	94	189	9	21	43	90	176
Sed	59	170	324	324	324	59	170	324	324	324
NanoXML	9	23	35	64	64	11	23	41	64	64
Siena	25	88	221	429	517	24	84	204	418	515
Findutils	47	193	700	2116	5658	50	206	713	2201	5491
Grep(CoRE)	18	69	206	565	1364	21	74	221	585	1360