

Table 1 the sizes of sub-covering arrays with strength from 2 to 5

Subject	Bottom-up				Top-down			
	2-wise	3-wise	4-wise	5-wise	2-wise	3-wise	4-wise	5-wise
Flex	26	65	129	220	27	65	127	219
Grep(SIR)	48	157	306	438	49	155	295	439
Gzip	18	48	86	144	18	57	83	144
Make	9	19	45	94	9	21	46	94
Sed	59	170	324	324	59	170	324	324
NanoXML	9	23	35	64	10	24	37	64
Siena	25	88	221	429	23	84	207	425
Findutils	47	193	700	2116	50	204	730	2081
Grep(CoRE)	18	69	206	565	21	74	220	551