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Section B

Example 1 (email validation):

Type	S1 (µs)	S2 (µs)	S3 (µs)	S4 (µs)	S5 (µs)	S6 (µs)	S7 (µs)	S8 (µs)	S9 (µs)	S10 (µs)	Avg.(µs)
Without regex	15.5	13.4	7.63	4.77	10.3	6.91	6.68	4.29	6.44	8.82	8.474
With regex	7.39	6.68	6.44	6.44	6.44	6.2	5.72	5.48	5.25	5.96	6.2

Example 2 (date validation):

Type	S1 (µs)	S2 (µs)	S3 (µs)	S4 (µs)	S5 (µs)	S6 (µs)	S7 (µs)	S8 (µs)	S9 (µs)	S10 (µs)	Avg.(µs)
Without regex	796	566	546	743	538	585	650	846	632	412	631.4
With regex	18.4	19.3	32.2	20.5	32.2	18.6	14.8	21	19.8	21.5	21.83

Conclusion:

Logic building is much harder using regular coding techniques but with Regular Expressions it becomes easy and is time saving as well (as you can see in the average times above). Another major plus point of using RE's is that code gets shorter, you don't have to use loops, checks and all. Just one line of RE would do.