

Figure 6. The effect of the number of nodes on the performance of the proposed algorithm. The figure shows two bar charts comparing the execution time (in seconds) of the proposed algorithm against the number of nodes (10, 20, 30, 40, 50). The left chart shows the execution time for the proposed algorithm, which increases linearly from approximately 1.5 seconds at 10 nodes to about 7.5 seconds at 50 nodes. The right chart shows the execution time for the baseline algorithm, which remains relatively constant around 1.5 seconds across all node counts.

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Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

