


































ID	 Task Mode	Task Name	Start	Finish	Predecessors	Duration	Resource Names	Work	Jul 27, '14	
									M	W
1		MSD I	Tue 8/26/14	Mon 12/15/14		79 day		0 hrs		
2										
3		Problem Definition	Tue 8/26/14	Thu 9/11/14		13 day		0 hrs		
4		Read and Understand PRP	Tue 8/26/14	Tue 8/26/14		1 day?		0 hrs		
5		Assign Team Roles	Tue 8/26/14	Tue 8/26/14		1 day?		0 hrs		
6		Team Norms and Values	Tue 8/26/14	Tue 8/26/14		1 day?		0 hrs		
7		Edge Tutorial	Tue 8/26/14	Tue 8/26/14		1 day?		0 hrs		
8		Benchmark Existing Mechanical Solutions	Wed 8/27/14	Wed 8/27/14	4	1 day?		0 hrs		
9		Benchmark Existing Electrical Solutions	Wed 8/27/14	Wed 8/27/14	4	1 day?		0 hrs		
10		Benchmark Existing Computer Solutions	Wed 8/27/14	Wed 8/27/14	4	1 day?		0 hrs		
11		Develop and Record Interview Questions	Thu 8/28/14	Thu 8/28/14	8,9,10	1 day?		0 hrs		
12		Create Customer Requirements	Thu 8/28/14	Thu 8/28/14	8,9,10	1 day?		0 hrs		
13		Conduct First Meeting w/ Customer	Thu 9/4/14	Thu 9/4/14		0 days		0 hrs		














Project: MSD I Project Plan Date: Fri 9/19/14	Task		Inactive Task		Start-only	
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									M	W
14		Create Engineering Requirements	Thu 9/4/14	Thu 9/4/14	13	1 day?		0 hrs		
15		Create HOQ	Fri 9/5/14	Fri 9/5/14	14	1 day		0 hrs		
16		Draft Project Plan	Thu 9/4/14	Thu 9/4/14	13	1 day		0 hrs		
17		Create Problem Statement	Thu 9/4/14	Thu 9/4/14	13	1 day?		0 hrs		
18		Create Roles & Responsibilities Document	Fri 9/5/14	Fri 9/5/14	16	1 day?		0 hrs		
19		Refine Customer Requirements	Fri 9/5/14	Fri 9/5/14	16	1 day?		0 hrs		
20		Refine Engineering Requirements	Fri 9/5/14	Fri 9/5/14	16	1 day?		0 hrs		
21		Refine HOQ	Mon 9/8/14	Mon 9/8/14	19,20	1 day?		0 hrs		
22		Create Problem Definition Power Point	Tue 9/9/14	Tue 9/9/14	21	1 day?		0 hrs		
23		Create 'Pre-Reading' Material	Tue 9/9/14	Tue 9/9/14	21	1 day?		0 hrs		
24		Problem Definition Presentation	Thu 9/11/14	Thu 9/11/14	22,23	0 days		0 hrs		
25										
26		System Design	Thu 9/11/14	Thu 10/2/14		16 day		0 hrs		

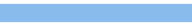










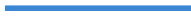







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ID	Task Mode	Task Name	Start	Finish	Predecessors	Duration	Resource Names	Work	Jul 27, '14	
									M	W
27		Review Problem Definition Review Comments & Action	Thu 9/11/14	Thu 9/11/14	24	1 day?		0 hrs		
28		Refine Customer Requirements	Fri 9/12/14	Fri 9/12/14	27	1 day?		0 hrs		
29		Refine Engineering Requirements	Fri 9/12/14	Fri 9/12/14	27	1 day?		0 hrs		
30		Refine HOQ	Mon 9/15/14	Mon 9/15/14	28,29	1 day?		0 hrs		
31		Create Functional Decomposition	Tue 9/16/14	Tue 9/16/14	30	1 day?		0 hrs		
32		Visit Customer Facility	Thu 9/18/14	Thu 9/18/14	31	0 days		0 hrs		
33		Meet w/ Customer to Review Problem Statement, HOQ, Functional Decomp	Thu 9/18/14	Thu 9/18/14	31	0 days		0 hrs		
34		Conduct Concept Generation (Morph Table)	Thu 9/18/14	Thu 9/18/14	33	1 day?		0 hrs		
35		Refine Benchmarking	Fri 9/19/14	Fri 9/19/14	34	1 day?		0 hrs		
36		Create Preliminary Feasibility Analysis	Mon 9/22/14	Mon 9/22/14	35	1 day?		0 hrs		
37		Refine Functional Decomposition	Tue 9/23/14	Tue 9/23/14	36	1 day?		0 hrs		
38		Develop Alternative Concepts	Wed 9/24/14	Wed 9/24/14	37	1 day?		0 hrs		

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39		Compare System Designs	Thu 9/25/14	Thu 9/25/14	38	1 day?		0 hrs		
40		Review & Finalize System Design	Fri 9/26/14	Fri 9/26/14	39	1 day?		0 hrs		
41		Create Presentation for System Design	Mon 9/29/14	Mon 9/29/14	40	1 day?		0 hrs		
42		Create 'Pre-Reading' Material	Tue 9/30/14	Tue 9/30/14	41	1 day?		0 hrs		
43		System Design Presentation	Thu 10/2/14	Thu 10/2/14	41,42	0 days		0 hrs		
44		Review Concepts and Functional Decomp w/ Customer	Thu 10/2/14	Thu 10/2/14	41,42	0 days		0 hrs		
45										
46		Sub-System Design	Thu 10/2/14	Tue 10/28/14		19 day		0 hrs		
47		Review System Design Comments & Action Items	Thu 10/2/14	Thu 10/2/14	43,44	1 day?		0 hrs		
48		Refine Customer Requirements	Fri 10/3/14	Fri 10/3/14	47	1 day?		0 hrs		
49		Refine Engineering Requirements	Mon 10/6/14	Mon 10/6/14	48	1 day?		0 hrs		
50		Refine HOQ	Tue 10/7/14	Tue 10/7/14	48,49	1 day?		0 hrs		
51		Refine Functional Decomposition	Wed 10/8/14	Wed 10/8/14	50	1 day?		0 hrs		

Project: MSD I Project Plan
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ID	Task Mode	Task Name	Start	Finish	Predecessors	Duration	Resource Names	Work	M	W
52		Create Preliminary Sub-System Design	Wed 10/8/14	Thu 10/9/14	51	1 day?		0 hrs		
58		Refine Benchmarking	Fri 10/10/14	Fri 10/10/14	52	1 day?		0 hrs		
59		Create Preliminary Feasibility Analysis	Mon 10/13/14	Mon 10/13/14	58	1 day?		0 hrs		
60		Create Proof of Concept Document (analysis, simulation,	Mon 10/13/14	Tue 10/14/14	59	1 day?		0 hrs		
62		Create Risk Analysis	Wed 10/15/14	Wed 10/15/14	60	1 day?		0 hrs		
63		Create Budget Estimate	Thu 10/16/14	Thu 10/16/14	62	1 day?		0 hrs		
64		Develop Test Plan	Thu 10/16/14	Fri 10/17/14	63	1 day?		0 hrs		
66		Review Sub-System Design, Proof of concept, Risk Analysis, Budget and Test Plan w/	Thu 10/16/14	Thu 10/16/14	64	0 days		0 hrs		
67		Create Sub-System Design Presentation	Thu 10/16/14	Thu 10/16/14	66	1 day?		0 hrs		
68		Create 'Pre-Reading' Material	Fri 10/17/14	Fri 10/17/14	67	1 day?		0 hrs		
69		Sub-System Design Presentation	Mon 10/20/14	Mon 10/20/14	67,68	0 days		0 hrs		
70										

Project: MSD I Project Plan
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Summary		Manual Task		Progress	
Project Summary		Duration-only		Manual Progress	
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External Milestone		Manual Summary			

ID	Task Mode	Task Name	Start	Finish	Predecessors	Duration	Resource Names	Work	M	W
71		Detailed Design	Tue 10/28/14	Tue 11/18/14		16 day		0 hrs		
72		Review Sub-System Design Comments & Action Items	Tue 10/28/14	Tue 10/28/14	69	1 day?		0 hrs		
73		Refine Customer Requirements	Wed 10/29/14	Wed 10/29/14	72	1 day?		0 hrs		
74		Refine Engineering Requirements	Thu 10/30/14	Thu 10/30/14	73	1 day?		0 hrs		
75		Refine HOQ	Fri 10/31/14	Fri 10/31/14	73,74	1 day?		0 hrs		
76		Refine Functional Decomposition	Mon 11/3/14	Mon 11/3/14	75	1 day?		0 hrs		
77		Refine Sub-System Design	Tue 11/4/14	Tue 11/4/14	76	1 day?		0 hrs		
78		Refine Benchmarking	Wed 11/5/14	Wed 11/5/14	77	1 day?		0 hrs		
79		Review Refined CR's, ER's, HOQ, Functional Decomp and Sub-System Design w/ Customer	Thu 10/30/14	Thu 10/30/14	78	0 days		0 hrs		
80		Select Specific Components	Thu 10/30/14	Thu 10/30/14	79	1 day?		0 hrs		
81		Create Engineering Drawings & Schematics	Fri 10/31/14	Fri 10/31/14	80	1 day?		0 hrs		
82		Refine Feasibility Analysis	Mon 11/3/14	Mon 11/3/14	81	1 day?		0 hrs		

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ID	Task Mode	Task Name	Start	Finish	Predecessors	Duration	Resource Names	Work	Jul 27, '14	
									M	W
83		Refine Proof of Concept Document (analysis, simulation,	Tue 11/4/14	Tue 11/4/14	82	1 day?		0 hrs		
84		Refine Risk Analysis	Wed 11/5/14	Wed 11/5/14	83	1 day?		0 hrs		
85		Refine Budget Estimate	Thu 11/6/14	Thu 11/6/14	84	1 day?		0 hrs		
86		Refine Test Plan	Fri 11/7/14	Fri 11/7/14	85	1 day?		0 hrs		
87		Review Complete Design, Proof of concept, Eng. Models, Risk Analysis, Budget and Test Plan	Thu 11/13/14	Thu 11/13/14	86	0 days		0 hrs		
88		Create Detailed Design Presentation	Thu 11/13/14	Thu 11/13/14	87	1 day?		0 hrs		
89		Create 'Pre-Reading' Material	Fri 11/14/14	Fri 11/14/14	88	1 day?		0 hrs		
90		Detailed Design Presentation	Tue 11/18/14	Tue 11/18/14	87,88	0 days		0 hrs		
91										
92		Complete Design	Tue 11/18/14	Tue 12/9/14		16 day		0 hrs		
93		Review Detailed Design Comments & Action Items	Tue 11/18/14	Tue 11/18/14	90	1 day?		0 hrs		
94		Refine Customer Requirements	Wed 11/19/14	Wed 11/19/14	93	1 day?		0 hrs		










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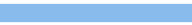










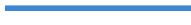







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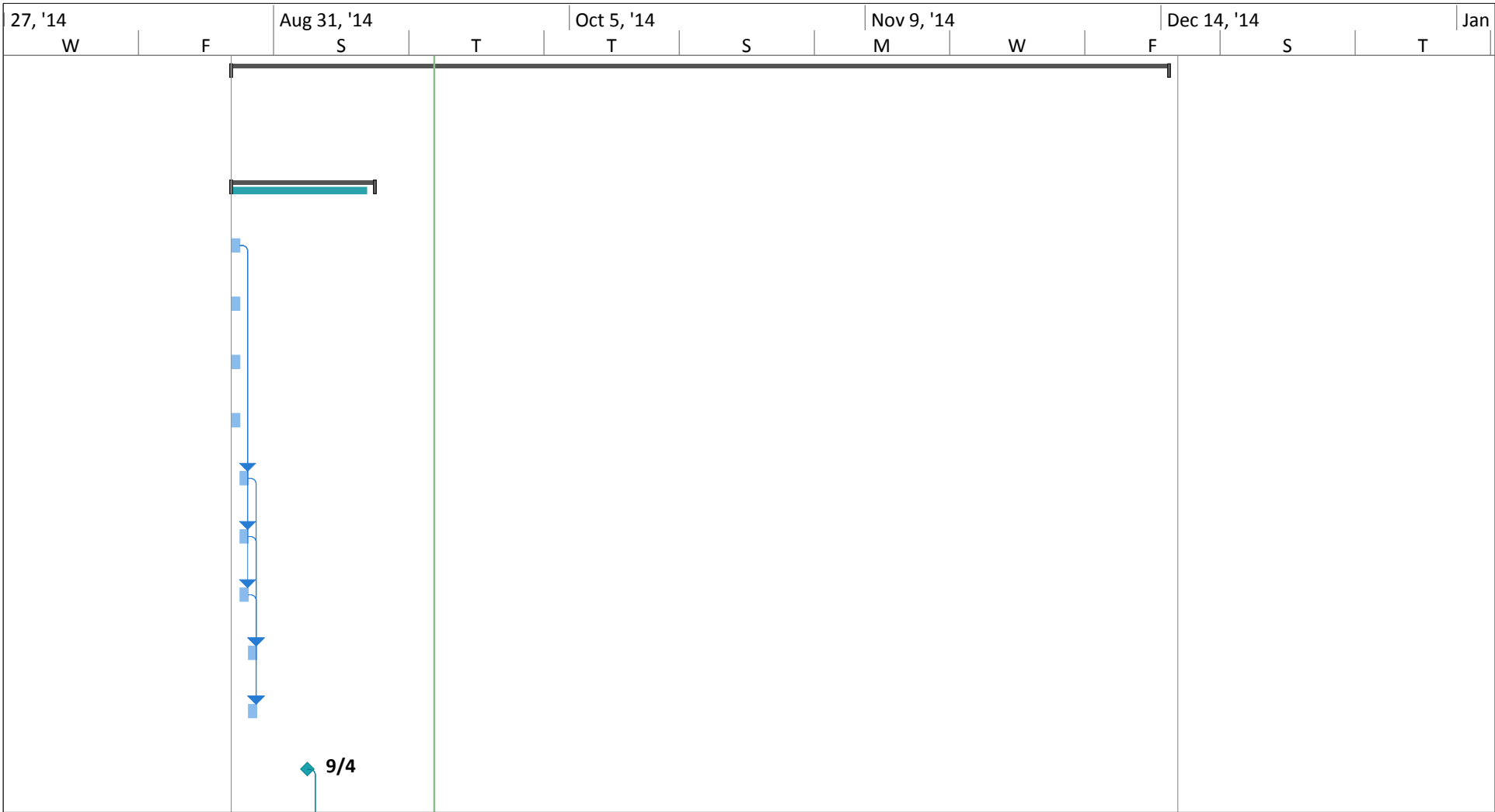
ID	Task Mode	Task Name	Start	Finish	Predecessors	Duration	Resource Names	Work	Jul 27, '14	
									M	W
95		Refine Engineering Requirements	Thu 11/20/14	Thu 11/20/14	94	1 day?		0 hrs		
96		Refine HOQ	Fri 11/21/14	Fri 11/21/14	95	1 day?		0 hrs		
97		Refine Functional Decomposition	Mon 11/24/14	Mon 11/24/14	96	1 day?		0 hrs		
98		Refine Detailed Design	Tue 11/25/14	Tue 11/25/14	97	1 day?		0 hrs		
99		Refine Engineering Drawings & Schematics	Wed 11/26/14	Wed 11/26/14	98	1 day?		0 hrs		
100		Refine Benchmarking	Thu 11/27/14	Thu 11/27/14	99	1 day?		0 hrs		
101		Refine Feasibility Analysis	Fri 11/28/14	Fri 11/28/14	100	1 day?		0 hrs		
102		Refine Proof of Concept Document (analysis, simulation, prototype)	Mon 12/1/14	Mon 12/1/14	101	1 day?		0 hrs		
103		Refine Risk Analysis	Tue 12/2/14	Tue 12/2/14	102	1 day?		0 hrs		
104		Refine Budget Estimate	Wed 12/3/14	Wed 12/3/14	103	1 day?		0 hrs		
105		Refine Test Plan	Thu 12/4/14	Thu 12/4/14	104	1 day?		0 hrs		

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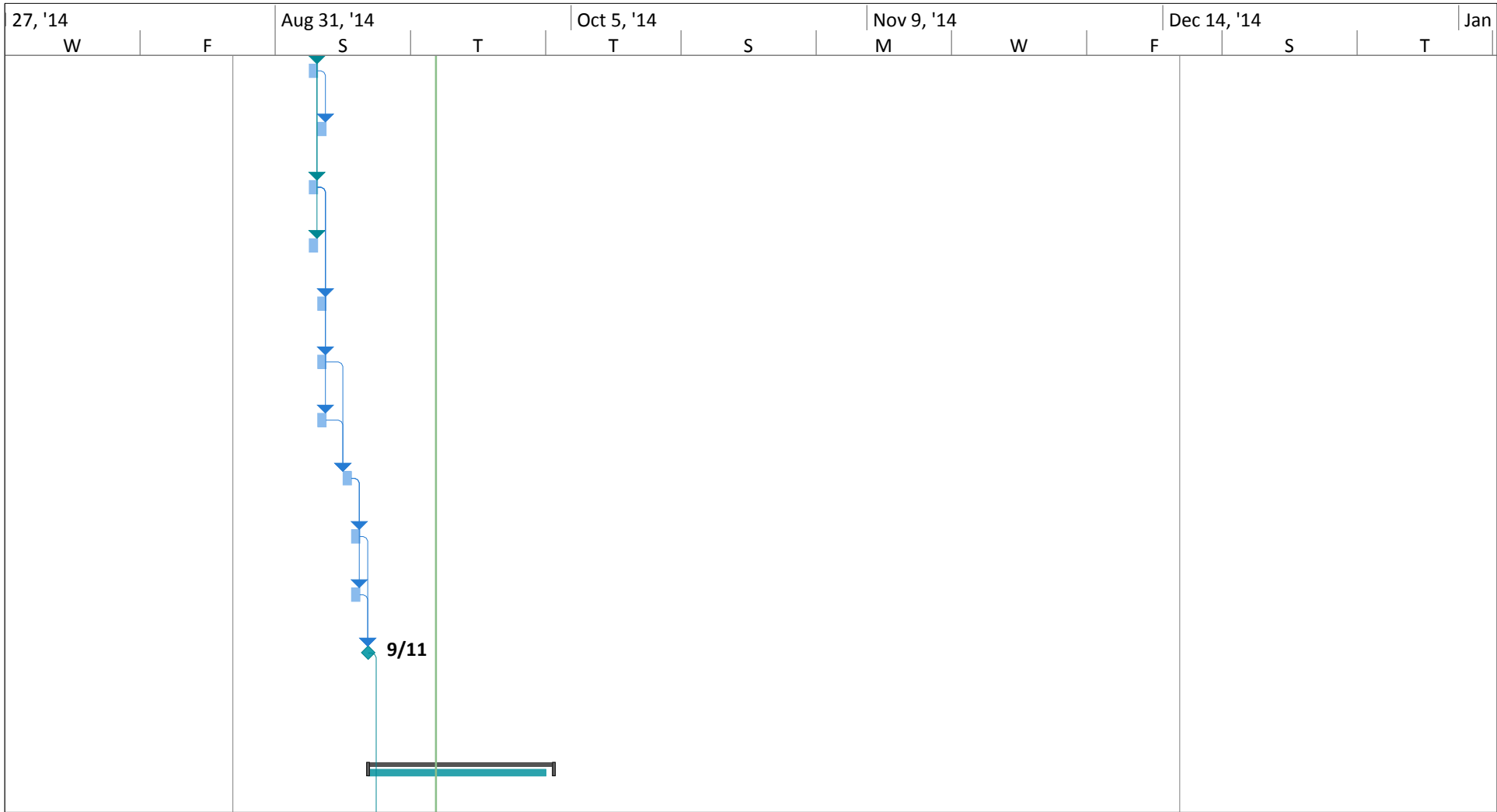
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ID	 Task Mode	Task Name	Start	Finish	Predecessors	Duration	Resource Names	Work	M	Jul 27, '14	W
106		Review Refined HOQ, Functional Decomp, Complete Design, Proof of Concept, Risk Analysis, Budget and Test Plan w/ Customer	Thu 11/27/14	Thu 11/27/14	104	0 days		0 hrs			
107		Create Execution Plan for MSD II	Thu 11/27/14	Thu 11/27/14	106	1 day?		0 hrs			
108		Create Completed Design Presentation	Fri 11/28/14	Fri 11/28/14	107	1 day		0 hrs			
109		Create 'Pre-Reading' Material	Mon 12/1/14	Mon 12/1/14	108	1 day?		0 hrs			
110		Complete Design Presentation	Thu 12/4/14	Thu 12/4/14	108,109	0 days		0 hrs			
111											
112		Discuss w/ Customer the Current Status and Project Plan for MSD II	Thu 12/11/14	Thu 12/11/14	110	0 days		0 hrs			
113		Gate Review	Mon 12/15/14	Mon 12/15/14	112	0 days		0 hrs			

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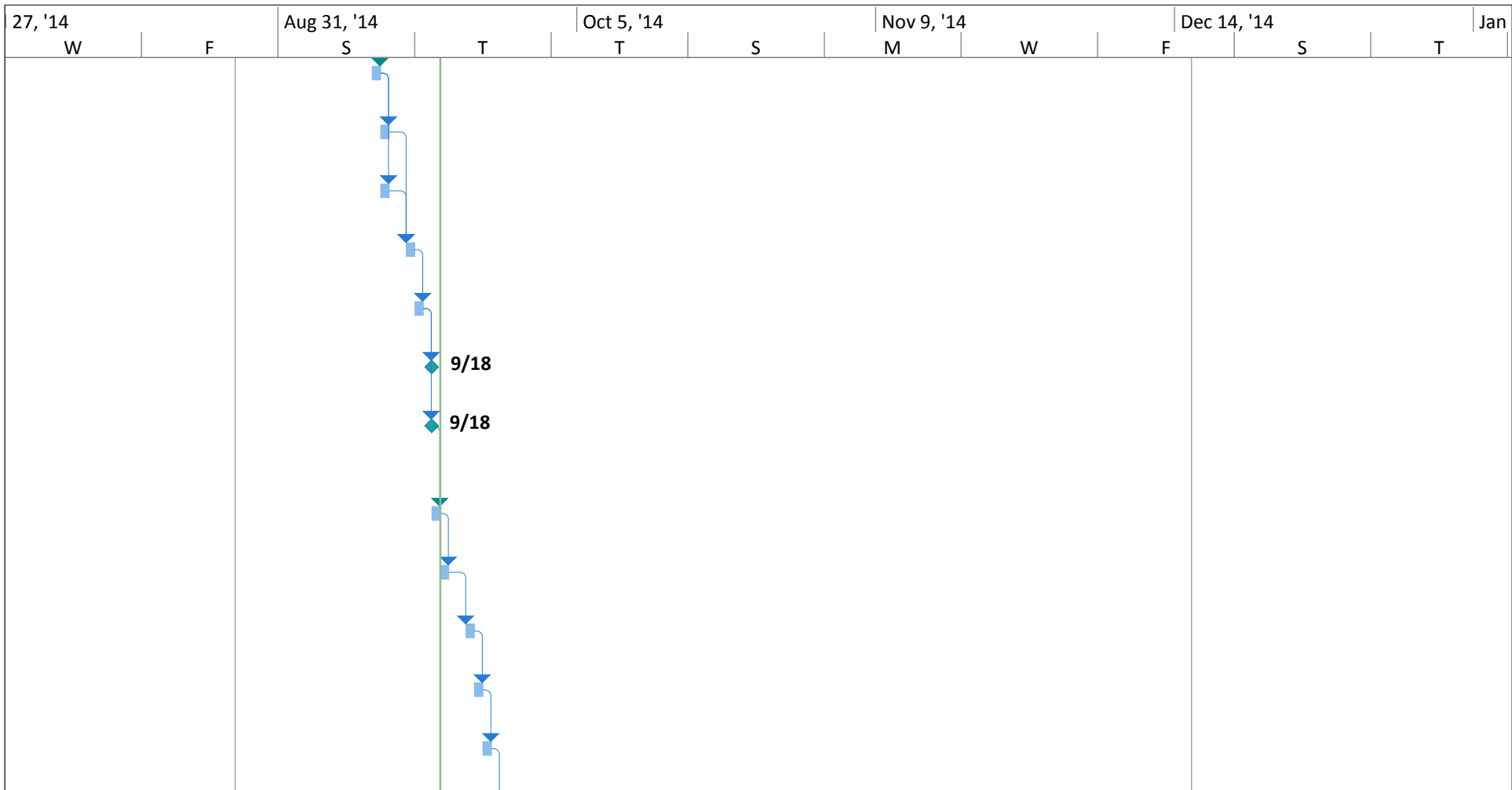


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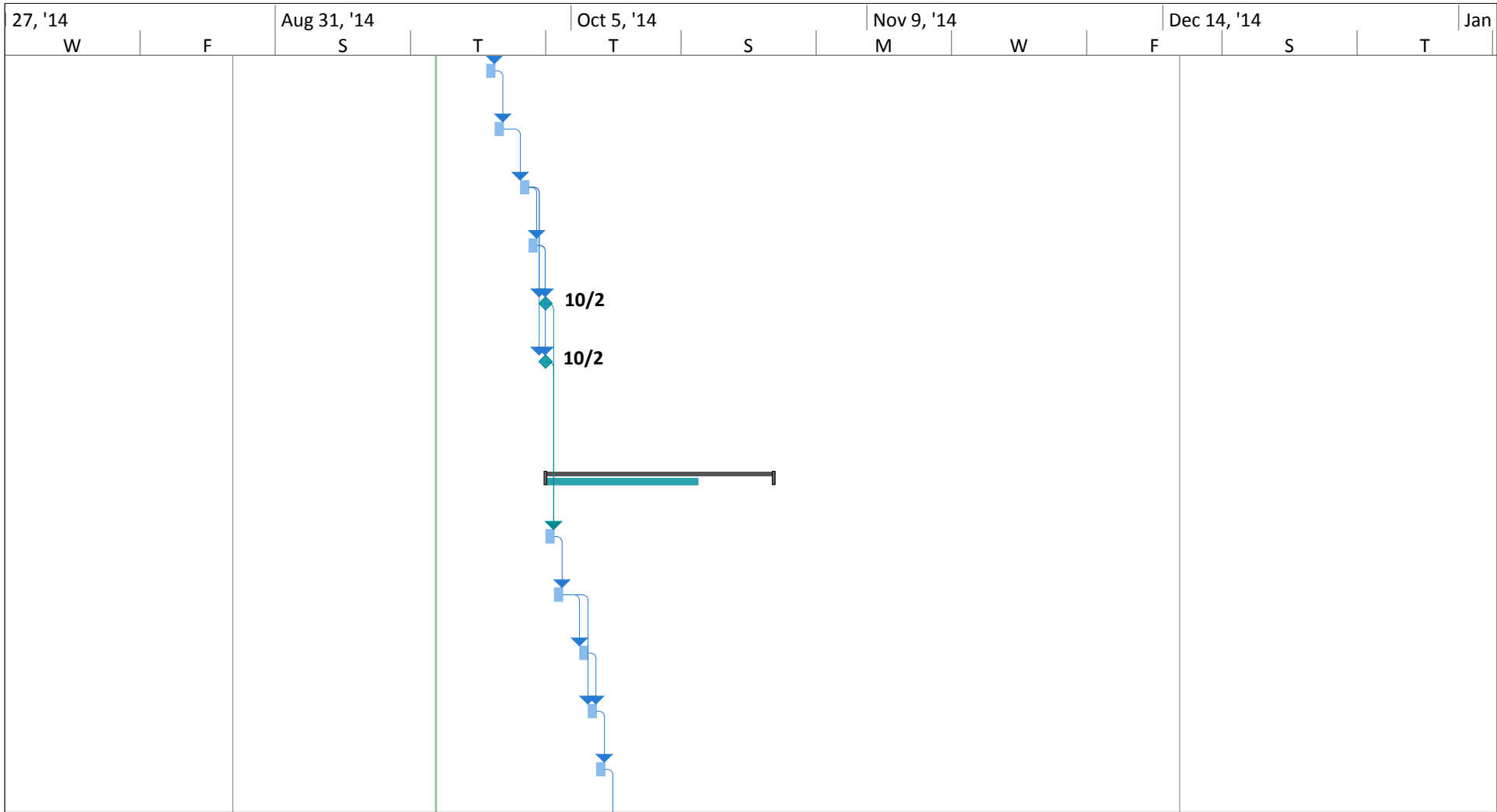


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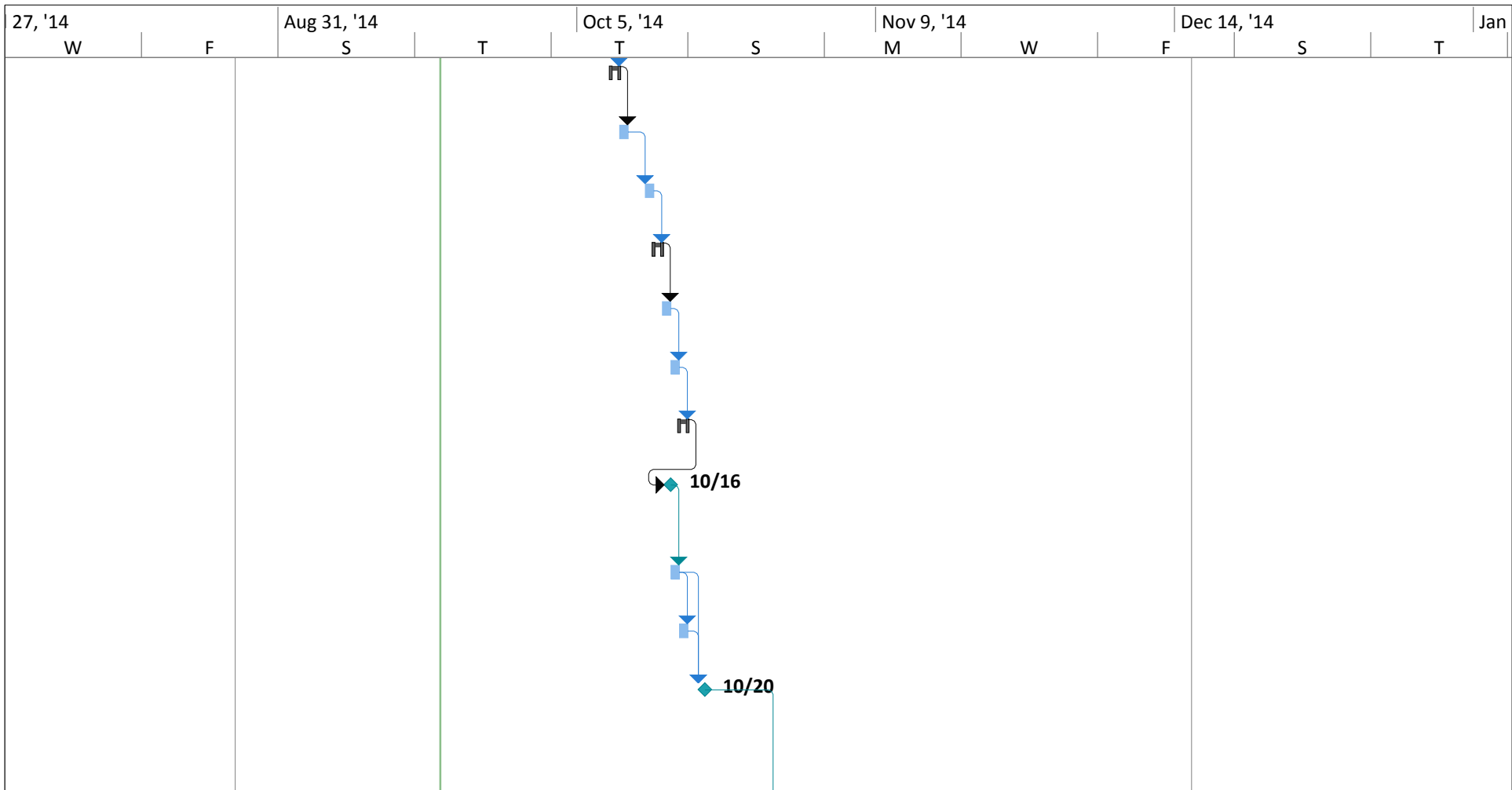
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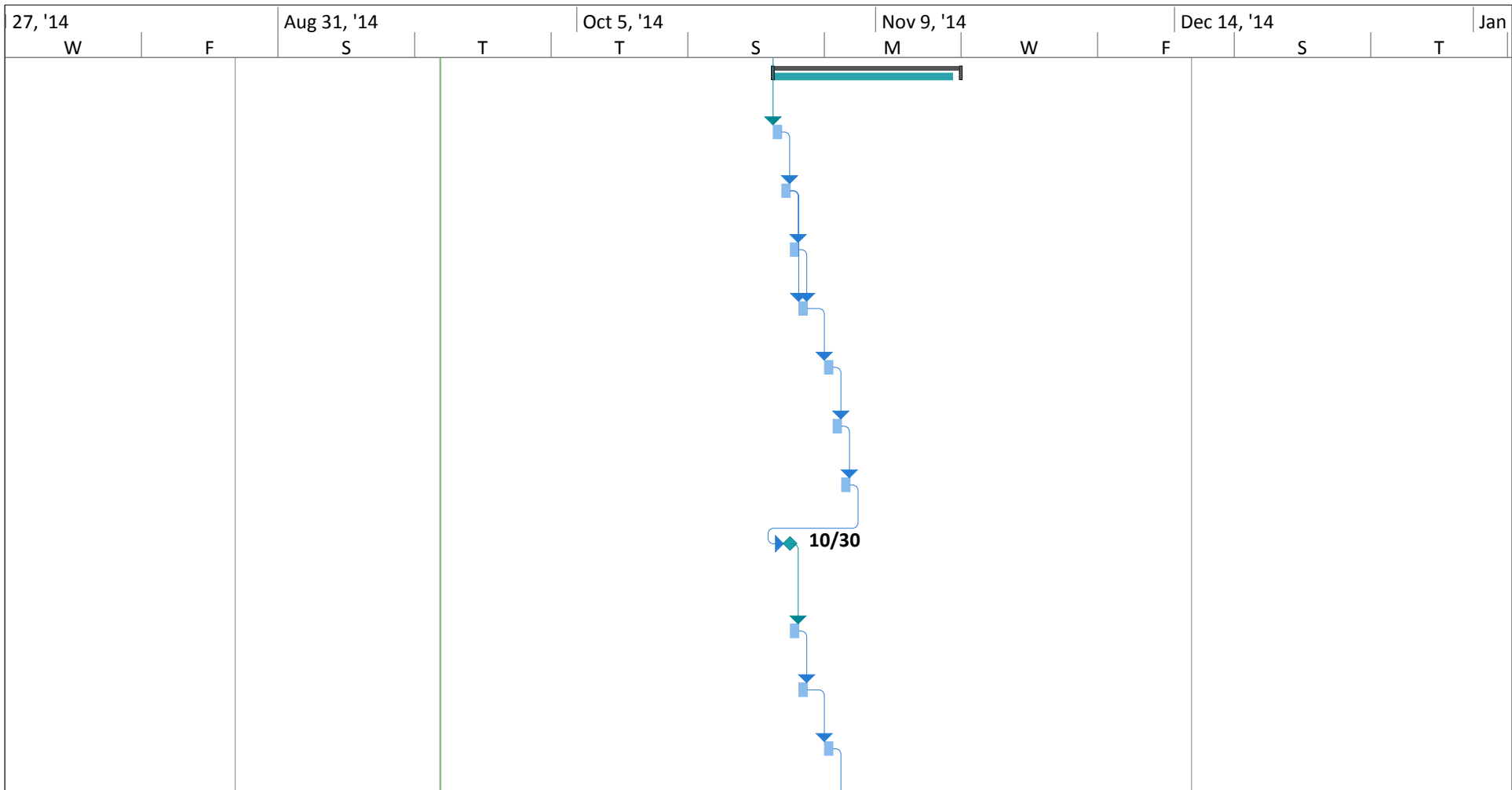
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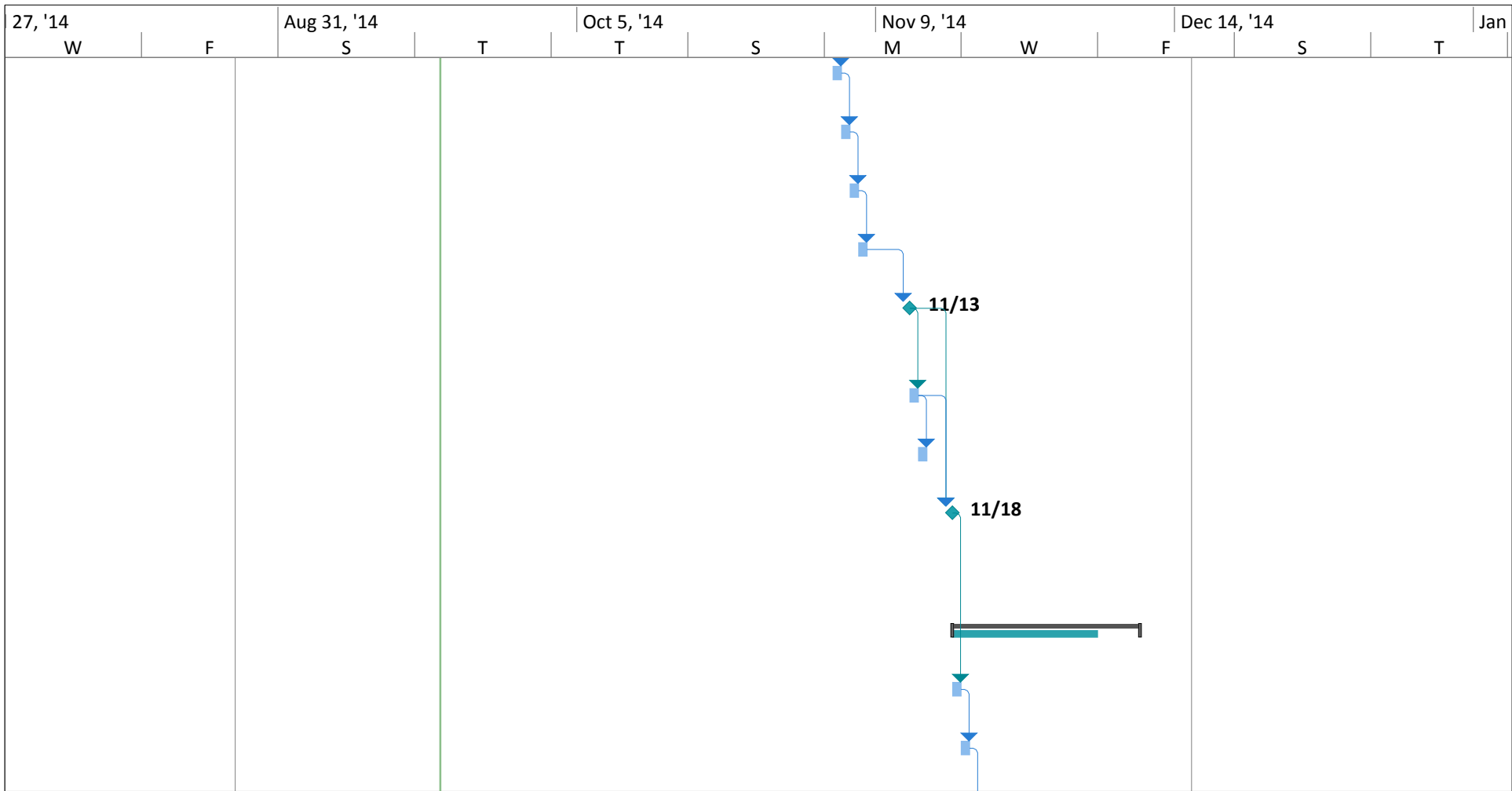
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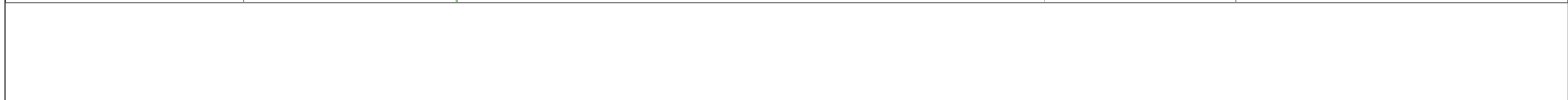
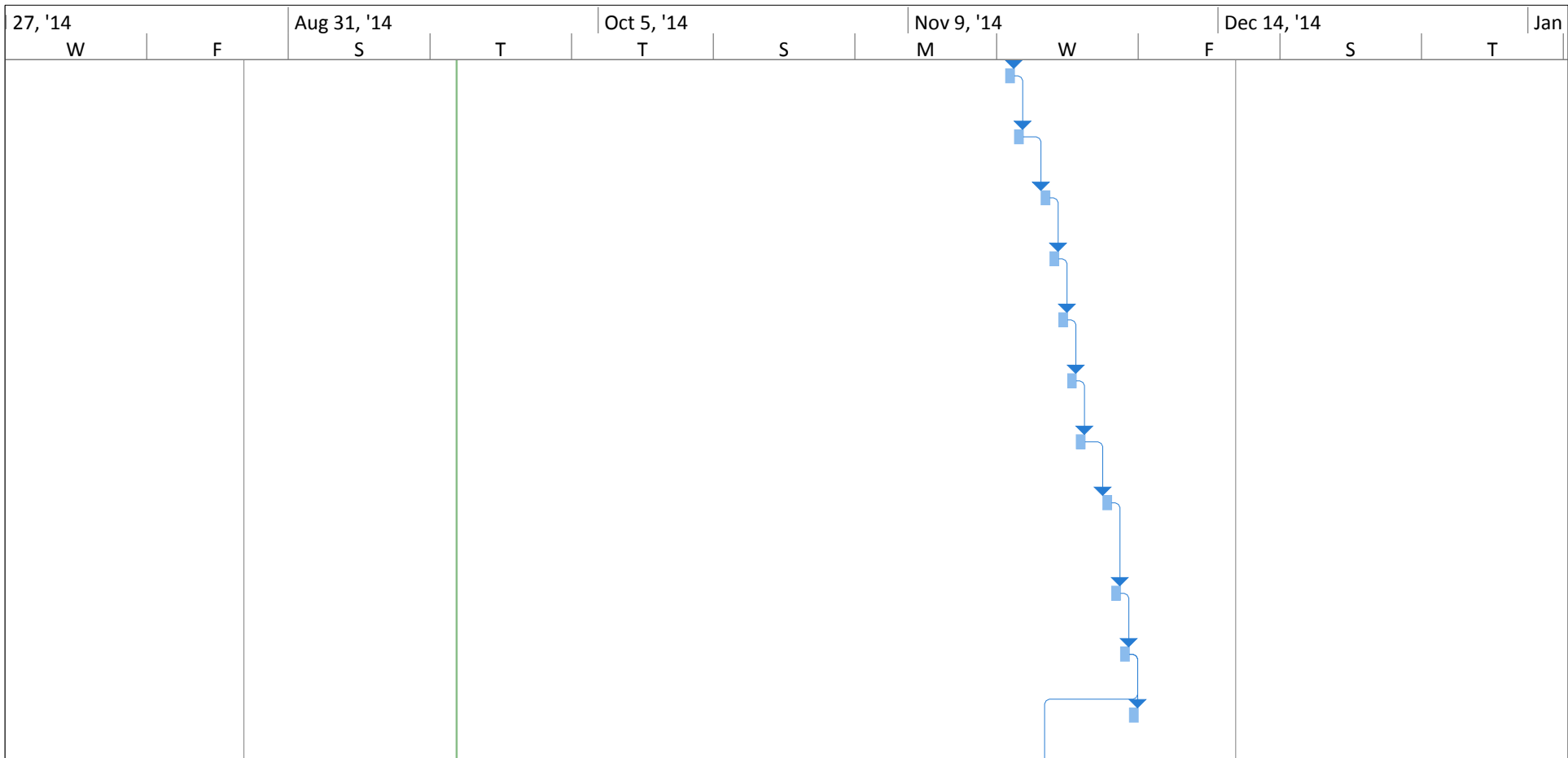
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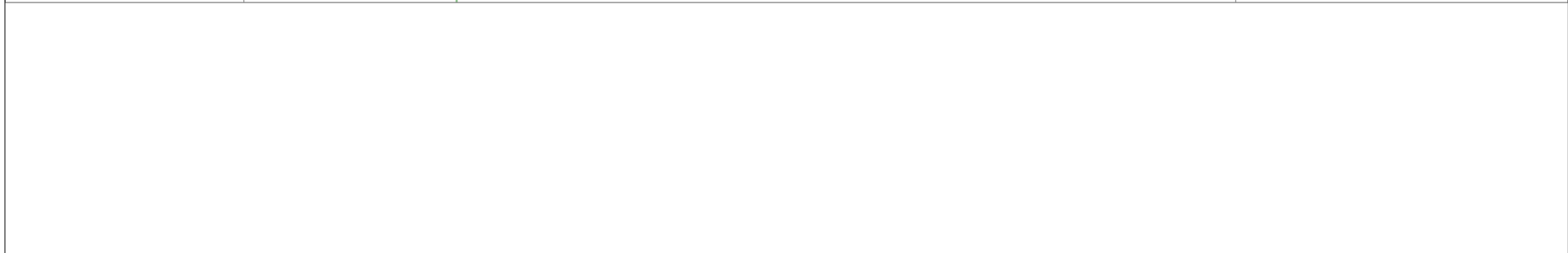
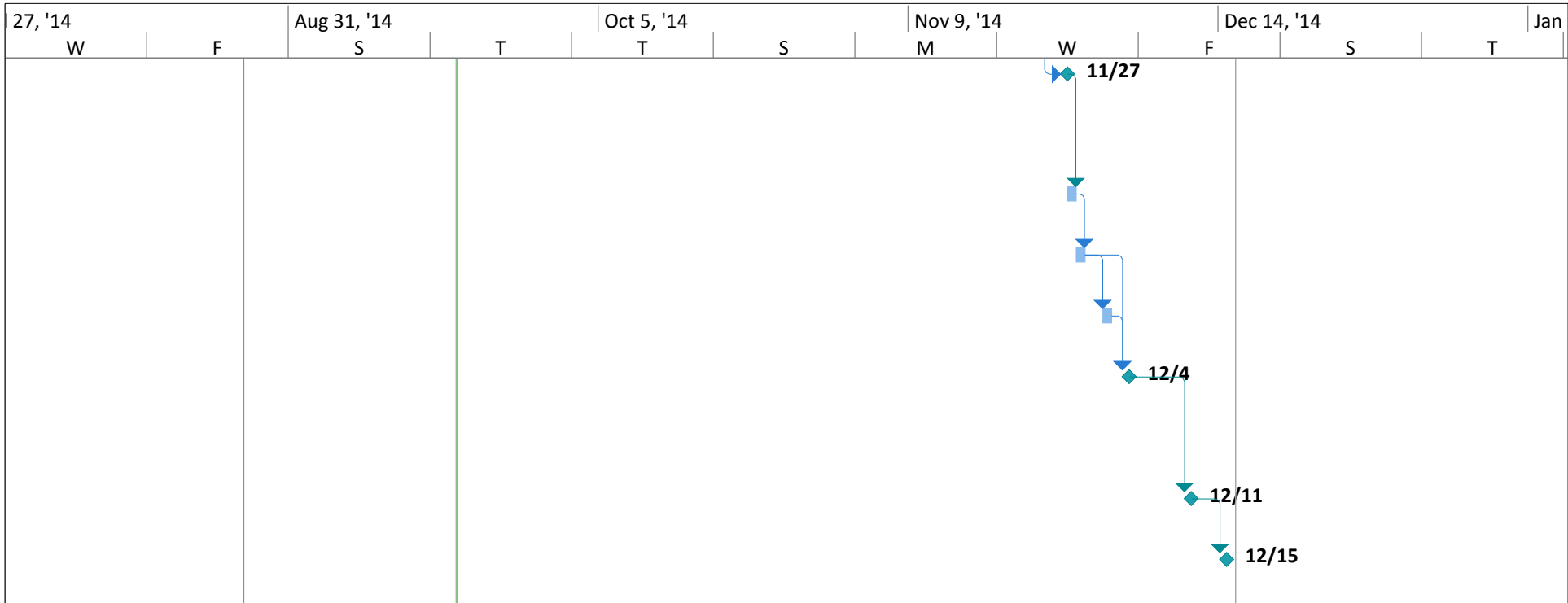
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