

















































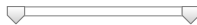







ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1						No
								T	W	T	F	S	S	
1			W-T Scheduled Tasks	133 days	Tue 12/6/11	Fri 6/15/12								
2			Systems	28 days	Tue 12/6/11	Fri 1/20/12								
3			9200 - Cooling Water	1 day	Tue 12/6/11	Tue 12/6/11								
4			9300 - Steam	1 day	Tue 1/10/12	Tue 1/10/12								
5			9400 - Compressed Air	1 day	Tue 1/10/12	Tue 1/10/12								
6			9500 - Process Water	1 day	Fri 1/20/12	Fri 1/20/12								
7			9600 - Hot Water	1 day	Thu 1/12/12	Thu 1/12/12								
8			9700 - Potable Water	1 day	Tue 12/20/11	Tue 12/20/11								
9			Check Out/Start Up	119 days	Tue 1/3/12	Fri 6/15/12								
10			2100 - Feed Conveyers	1 day	Wed 1/25/12	Wed 1/25/12								
11			2100 - Feed Conveyers	1 day	Wed 1/25/12	Wed 1/25/12								
12			2100 - Hydrolyzer	1 day	Wed 1/25/12	Wed 1/25/12								
13			2100 - Hydrolyzer	1 day	Wed 1/25/12	Wed 1/25/12								
14			Acid System	1 day	Thu 1/12/12	Thu 1/12/12								
15			Base System	1 day	Thu 1/12/12	Thu 1/12/12								
16			Antifoam System	1 day	Tue 1/3/12	Tue 1/3/12								
17			Ammonia System	1 day	Wed 1/11/12	Wed 1/11/12								
18			C5 Storage	1 day	Wed 1/25/12	Wed 1/25/12								
19			Prep Tank	1 day	Wed 1/25/12	Wed 1/25/12								
20			7200 - Scrubbers	1 day	Fri 1/20/12	Fri 1/20/12								
21			8200 - CIP System	1 day	Fri 1/20/12	Fri 1/20/12								
22			2300 - Liquefaction	1 day	Thu 1/26/12	Thu 1/26/12								
23			Enzyme system	1 day	Mon 1/30/12	Mon 1/30/12								
24			Beer Well	1 day	Fri 1/27/12	Fri 1/27/12								
25			Decantor System	1 day	Fri 1/27/12	Fri 1/27/12								
26			Propagation System	1 day	Thu 1/26/12	Thu 1/26/12								



















































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Task		External Milestone		Manual Summary Rollup	
Split		Inactive Task		Manual Summary	
Milestone		Inactive Milestone		Start-only	
Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	
















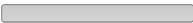


ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1						No
								T	W	T	F	S	S	
27			Fermentation System	1 day	Thu 1/26/12	Thu 1/26/12								
28			Distillation System	1 day	Fri 6/15/12	Fri 6/15/12								
29			Raw Materials	1 day	Fri 1/6/12	Fri 1/6/12								
30			Phosphoric Acid	1 day	Fri 1/6/12	Fri 1/6/12								
31			Ammonia	1 day	Fri 1/6/12	Fri 1/6/12								
32			Caustic	1 day	Fri 1/6/12	Fri 1/6/12								
33			Bleach	1 day	Fri 1/6/12	Fri 1/6/12								
34			Antifoam	1 day	Fri 1/6/12	Fri 1/6/12								
35			Luria Broth	1 day	Fri 1/6/12	Fri 1/6/12								
36			Enzymes	1 day	Fri 1/6/12	Fri 1/6/12								
37			Bagasse	1 day	Fri 1/6/12	Fri 1/6/12								
38			CO2 Scrubber Packing	1 day	Fri 1/6/12	Fri 1/6/12								
39			Bleach Scrubber Packing	1 day	Fri 1/6/12	Fri 1/6/12								
40			Pretreatment	37 days	Wed 11/30/11	Fri 1/27/12								
41			Equipment ready	14 days	Mon 1/9/12	Thu 1/26/12								
42			Acid System	5 days	Mon 1/9/12	Fri 1/13/12								
43			Phosphoric Acid Delivered	1 day	Mon 1/9/12	Mon 1/9/12	30							
44			Phos Acid Mix Tank TS-8101	1 day	Fri 1/13/12	Fri 1/13/12	14							
45			Phos Acid Hold Tank TS-8102	1 day	Fri 1/13/12	Fri 1/13/12	14							
46			Biomass Feed System	14 days	Mon 1/9/12	Thu 1/26/12								
47			Bagasse Delivered	1 day	Mon 1/9/12	Mon 1/9/12	37							
48			Feed Hopper	1 day	Thu 1/26/12	Thu 1/26/12	11							
49			Feed Belts	1 day	Thu 1/26/12	Thu 1/26/12	11							
50			Presteamer	1 day	Thu 1/26/12	Thu 1/26/12	13							
51			Hydrolyzer	1 day	Thu 1/26/12	Thu 1/26/12	13							
52			Screw Press	1 day	Thu 1/26/12	Thu 1/26/12	13							

















































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Task		External Milestone		Manual Summary Rollup	
Split		Inactive Task		Manual Summary	
Milestone		Inactive Milestone		Start-only	
Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	



















ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1	T	W	T	F	S	No
53			Reversing Screw	1 day	Thu 1/26/12	Thu 1/26/12	13							
54			C5 Storage Tank VS-2302	1 day	Thu 1/26/12	Thu 1/26/12	18							
55			Solids Bin	1 day	Thu 1/26/12	Thu 1/26/12	18							
56			Scrubber System	1 day	Mon 1/23/12	Mon 1/23/12								
57			CO2 scrubber	1 day	Mon 1/23/12	Mon 1/23/12	38,20							
58			Bleach Scrubber	1 day	Mon 1/23/12	Mon 1/23/12	33,39,20							
59			Documents/Procedures Ready	13 days	Wed 11/30/11	Fri 12/16/11								
60			SOP - Biomass Storage/Handling	1 day	Wed 11/30/11	Wed 11/30/11								
61			SOP - Pretreatment System	1 day	Fri 12/16/11	Fri 12/16/11								
62			SOP - Acid System	1 day	Wed 11/30/11	Wed 11/30/11								
63			Lab Test - Moisture	1 day	Wed 11/30/11	Wed 11/30/11								
64			Lab Test - Acid Concentration	1 day	Wed 11/30/11	Wed 11/30/11								
65			Biomass Feed Test	2 days	Tue 1/10/12	Wed 1/11/12	60,47							
66			Conveyer Calibration	2 days	Thu 1/12/12	Fri 1/13/12	65							
67			Biomass Hydrolysis	4 days	Tue 1/24/12	Fri 1/27/12	66,61,63,64,57							
68			Milestone: Pretreatment Phase 1	0 days	Fri 1/27/12	Fri 1/27/12	67							
69			CIP System	20 days	Mon 1/16/12	Fri 2/10/12								
70			Equipment ready	9 days	Mon 1/23/12	Thu 2/2/12								
71			Rinse Tank	1 day	Mon 1/23/12	Mon 1/23/12	21							
72			Dilute Caustic Tank	1 day	Tue 1/24/12	Tue 1/24/12	71							
73			Heat exchangers	1 day	Wed 1/25/12	Wed 1/25/12	72							
74			Propagatation	1 day	Fri 1/27/12	Fri 1/27/12	26,73							
75			Fermentation	1 day	Mon 1/30/12	Mon 1/30/12	27,74							
76			Liquefaction	1 day	Tue 1/31/12	Tue 1/31/12	22,75							
77			pH Adjustment	1 day	Wed 2/1/12	Wed 2/1/12	22,76							
78			Beer Well	1 day	Thu 2/2/12	Thu 2/2/12	24,77							

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Task		External Milestone		Manual Summary Rollup	
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Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	

ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1						No
								T	W	T	F	S	S	
79			Documents ready	1 day	Mon 1/16/12	Mon 1/16/12								
80			SOP System	1 day	Mon 1/16/12	Mon 1/16/12								
81			SOP - Base System	1 day	Mon 1/16/12	Mon 1/16/12								
82			SOP - CIP Propagation	1 day	Mon 1/16/12	Mon 1/16/12								
83			SOP - CIP Fermentation	1 day	Mon 1/16/12	Mon 1/16/12								
84			SOP - CIP Liquefaction	1 day	Mon 1/16/12	Mon 1/16/12								
85			SOP - CIP pH Adjustment	1 day	Mon 1/16/12	Mon 1/16/12								
86			SOP - CIP Beer Well	1 day	Mon 1/16/12	Mon 1/16/12								
87			Lab Test - Caustic concentration	1 day	Mon 1/16/12	Mon 1/16/12								
88			CIP Test Propagator VS-3202A	1 day	Mon 1/30/12	Mon 1/30/12	74,82							
89			CIP Test Propagator VS-3202B	1 day	Tue 1/31/12	Tue 1/31/12	88							
90			CIP Test Propagator VS-3203A	1 day	Wed 2/1/12	Wed 2/1/12	89							
91			CIP Test Propagator VS-3203B	1 day	Thu 2/2/12	Thu 2/2/12	90							
92			CIP Test Fermentation VS-3204A	1 day	Fri 2/3/12	Fri 2/3/12	83,91,75							
93			CIP Test Fermentation VS-3204B	1 day	Mon 2/6/12	Mon 2/6/12	92							
94			CIP Test Fermentation VS-3204C	1 day	Tue 2/7/12	Tue 2/7/12	93							
95			CIP Liquefaction Tank VS-2301	1 day	Wed 2/8/12	Wed 2/8/12	84,94,76							
96			CIP pH Adjustment Tank VS-2302	1 day	Thu 2/9/12	Thu 2/9/12	85,95,77							
97			CIP Beer Well TS-4601	1 day	Fri 2/10/12	Fri 2/10/12	86,96,78							
98			Milestone: CIP System Commissioned	0 days	Fri 2/10/12	Fri 2/10/12	97							
99			Liquefaction	19 days	Mon 1/23/12	Thu 2/16/12								
100			Equipment Ready	7 days	Fri 1/27/12	Mon 2/6/12								
101			Liquefaction Tank VS-2301	1 day	Fri 1/27/12	Fri 1/27/12	22							
102			Decantor System	1 day	Mon 1/30/12	Mon 1/30/12	25,101							
103			Beer Well	1 day	Tue 1/31/12	Tue 1/31/12	24,102							
104			Base System	1 day	Wed 2/1/12	Wed 2/1/12	15,103							





















































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Task		External Milestone		Manual Summary Rollup	
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External Tasks		Duration-only		Progress	



















ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1	T	W	T	F	S	No
105			Enzyme System	1 day	Thu 2/2/12	Thu 2/2/12	23,104							
106			Acid System	1 day	Fri 2/3/12	Fri 2/3/12	14,105							
107			UV Water System	1 day	Mon 2/6/12	Mon 2/6/12	6,106							
108			Documents/Procedures Ready	1 day	Mon 1/23/12	Mon 1/23/12								
109			SOP - Liquefaction	1 day	Mon 1/23/12	Mon 1/23/12								
110			SOP - Enzyme System	1 day	Mon 1/23/12	Mon 1/23/12								
111			SOP - pH Adjustment	1 day	Mon 1/23/12	Mon 1/23/12								
112			Lab Test - Biomass Composition	1 day	Mon 1/23/12	Mon 1/23/12								
113			Lab Test - Sugars	1 day	Mon 1/23/12	Mon 1/23/12								
114			Lab Test - WIS	1 day	Mon 1/23/12	Mon 1/23/12								
115			Pretreatment	1 day	Mon 2/13/12	Mon 2/13/12	109,68,98							
116			Liquifaction Test 1 VS-2301	1 day	Tue 2/14/12	Tue 2/14/12	109,115,101							
117			pH Adjustment Tank VS-2302	1 day	Wed 2/15/12	Wed 2/15/12	116							
118			Drain and Clean VS-2301 \$ VS-2302	1 day	Thu 2/16/12	Thu 2/16/12	117,103							
119			Milestone: Liquefaction Commissioned	0 days	Thu 2/16/12	Thu 2/16/12	118							
120			Milestone: Pretreatment Phase 2	0 days	Thu 2/16/12	Thu 2/16/12	118							
121			Sterility Test	50 days	Thu 1/26/12	Wed 4/4/12								
122			Equipment Ready	20 days	Thu 1/26/12	Wed 2/22/12								
123			Media Prep Tank	1 day	Thu 1/26/12	Thu 1/26/12	6,35,19							
124			Media Storage	1 day	Fri 1/27/12	Fri 1/27/12	123							
125			Antifoam Storage	1 day	Mon 1/30/12	Mon 1/30/12	124,16							
126			CO2 Scrubber	1 day	Tue 1/31/12	Tue 1/31/12	20,38,125							
127			Bleach Scrubber	1 day	Wed 2/1/12	Wed 2/1/12	126,20,33							
128			Beer Well	1 day	Mon 2/13/12	Mon 2/13/12	127,97							
129			Propagator VS-3202A	1 day	Tue 2/14/12	Tue 2/14/12								
130			Propagator VS-3202A	1 day	Tue 2/14/12	Tue 2/14/12	91,128							

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Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	



















ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1						No
								T	W	T	F	S	S	
131			Propagator VS-3202B	1 day	Wed 2/15/12	Wed 2/15/12	130							
132			Propagator VS-3203A	1 day	Thu 2/16/12	Thu 2/16/12	131							
133			Propagator VS-3203B	1 day	Fri 2/17/12	Fri 2/17/12	132							
134			Fermentation VS-3204 A	1 day	Mon 2/20/12	Mon 2/20/12	133,94							
135			Fermentation VS-3204 B	1 day	Tue 2/21/12	Tue 2/21/12	134							
136			Fermentation VS-3204 C	1 day	Wed 2/22/12	Wed 2/22/12	135							
137			Documents/Procedures Ready	1 day	Wed 2/1/12	Wed 2/1/12								
138			SOP - Sterility Test - Primary Propagators	1 day	Wed 2/1/12	Wed 2/1/12								
139			SOP - Sterility Test - Secondary Propagators	1 day	Wed 2/1/12	Wed 2/1/12								
140			SOP - Sterility Test - Fermentation Tanks	1 day	Wed 2/1/12	Wed 2/1/12								
141			SOP - Scrubbers	1 day	Wed 2/1/12	Wed 2/1/12								
142			SOP - Medium Preparation	1 day	Wed 2/1/12	Wed 2/1/12								
143			SOP - Antifoam System	1 day	Wed 2/1/12	Wed 2/1/12								
144			SOP - CO2 Scrubber	1 day	Wed 2/1/12	Wed 2/1/12								
145			SOP - Bleach Scrubber	1 day	Wed 2/1/12	Wed 2/1/12								
146			SOP - Beer Well	1 day	Wed 2/1/12	Wed 2/1/12								
147			Propagator VS-3202A	5 days	Wed 2/15/12	Tue 2/21/12	130,138							
148			Propagator VS-3202B	5 days	Wed 2/22/12	Tue 2/28/12	147,131,138							
149			Propagator VS-3203A	5 days	Wed 2/29/12	Tue 3/6/12	148,132,139							
150			Propagator VS-3203B	5 days	Wed 3/7/12	Tue 3/13/12	149,132,139							
151			Fermentation VS-3204 A	5 days	Wed 3/14/12	Tue 3/20/12	150,134,140							
152			Fermentation VS-3204 B	5 days	Wed 3/21/12	Tue 3/27/12	151,134,140							
153			Fermentation VS-3204 C	5 days	Wed 3/28/12	Tue 4/3/12								
154			Fermentation VS-3204 C	5 days	Wed 3/28/12	Tue 4/3/12	152,134,140							
155			Drain and CIP Propagation Vessels	1 day	Wed 3/14/12	Wed 3/14/12	150							
156			Drain and CIP Fermentation Vessels	1 day	Wed 4/4/12	Wed 4/4/12	154							

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Task		External Milestone		Manual Summary Rollup	
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Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	

ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1	T	W	T	F	S	No
157			MILESTONE: STERILITY TEST PASS	0 days	Wed 4/4/12	Wed 4/4/12								
158			MILESTONE: STERILITY TEST PASS	0 days	Wed 4/4/12	Wed 4/4/12	156							
159			Strain Thermal Inactivation Test	43 days	Wed 2/22/12	Fri 4/20/12								
160			Equipment Ready	4 days	Thu 4/5/12	Tue 4/10/12								
161			Beer well	1 day	Thu 4/5/12	Thu 4/5/12	156							
162			Inactivation Heat Exchanger	1 day	Fri 4/6/12	Fri 4/6/12	161							
163			Distillation System	1 day	Mon 4/9/12	Mon 4/9/12	162							
164			Decantor Feed Tank	1 day	Tue 4/10/12	Tue 4/10/12	163							
165			Documents/Procedures Ready	1 day	Wed 2/22/12	Wed 2/22/12								
166			SOP - Thermal Inactivation Test 1	1 day	Wed 2/22/12	Wed 2/22/12	147							
167			SOP - Thermal Inactivation Test 2	1 day	Wed 2/22/12	Wed 2/22/12	147							
168			SOP - Thermal Inactivation Test 3	1 day	Wed 2/22/12	Wed 2/22/12	147							
169			SOP - Sampling	1 day	Wed 2/22/12	Wed 2/22/12	147							
170			Lab Test - Viable Plate Count	1 day	Wed 2/22/12	Wed 2/22/12	147							
171			Fill Beer Well from Sterility Test	1 day	Wed 4/11/12	Wed 4/11/12	166,164,155							
172			Inactivation Test 1	2.5 days	Thu 4/12/12	Mon 4/16/12								
173			Run through Exchanger HP-4601	0.5 days	Thu 4/12/12	Thu 4/12/12	171							
174			Run through Distillation System	0.5 days	Thu 4/12/12	Thu 4/12/12	173							
175			Collect in Decanter Feed Tank	0.5 days	Fri 4/13/12	Fri 4/13/12	174							
176			Sample and Plate	1 day	Fri 4/13/12	Mon 4/16/12	169,170,175							
177			Inactivation Test 2	2.5 days	Mon 4/16/12	Wed 4/18/12								
178			By-pass Exchanger HP-4601	0.5 days	Mon 4/16/12	Mon 4/16/12	176							
179			Run through Distillation System	0.5 days	Tue 4/17/12	Tue 4/17/12	178							
180			Collect in Decanter Feed Tank	0.5 days	Tue 4/17/12	Tue 4/17/12	179							
181			Sample and Plate	1 day	Wed 4/18/12	Wed 4/18/12	169,170,180							
182			Inactivation Test 3	2 days	Thu 4/19/12	Fri 4/20/12								

















































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Task		External Milestone		Manual Summary Rollup	
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External Tasks		Duration-only		Progress	



















ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1						No
								T	W	T	F	S	S	
183			Fill Waste Water Tank	0.5 days	Thu 4/19/12	Thu 4/19/12	181							
184			Run through Exchanger HP-9502	0.5 days	Thu 4/19/12	Thu 4/19/12	183							
185			Collect in Beer Well	0.5 days	Thu 4/19/12	Thu 4/19/12	183							
186			Sample and Plate	1 day	Fri 4/20/12	Fri 4/20/12	169,170,185							
187			MILESTONE: Verify thermal inactivation through preheater and distillation.	0 days	Mon 4/16/12	Mon 4/16/12	176							
188			MILESTONE: Verify thermal inactivation through distillation only.	0 days	Wed 4/18/12	Wed 4/18/12	181							
189			MILESTONE: Verify thermal inactivation through waste exchanger.	0 days	Fri 4/20/12	Fri 4/20/12	186							
190			Propagation of Production Strain	78.5 days	Fri 1/13/12	Wed 5/2/12								
191			Equipment Ready	44 days	Fri 1/13/12	Wed 3/14/12								
192			Laboratory Systems	0 days	Fri 1/13/12	Fri 1/13/12								
193			Seed Flask Incubator	0 days	Fri 1/13/12	Fri 1/13/12								
194			Transfer Vessel	0 days	Fri 1/13/12	Fri 1/13/12								
195			Propagation VS-3202A	1 day	Wed 2/22/12	Wed 2/22/12	147							
196			Propagation VS-3202B	1 day	Wed 2/29/12	Wed 2/29/12	148							
197			Propagation VS-3203A	1 day	Wed 3/7/12	Wed 3/7/12	149							
198			Propagation VS-3203B	1 day	Wed 3/14/12	Wed 3/14/12	150							
199			Documents/Procedures Ready	0 days	Fri 1/13/12	Fri 1/13/12								
200			SOP - Primary Propagation	0 days	Fri 1/13/12	Fri 1/13/12								
201			SOP - Secondary Propagation	0 days	Fri 1/13/12	Fri 1/13/12								
202			SOP - Strain Storage and Handling	0 days	Fri 1/13/12	Fri 1/13/12								
203			SOP - Seed Flask	0 days	Fri 1/13/12	Fri 1/13/12								
204			SOP - Transfer Vessel	0 days	Fri 1/13/12	Fri 1/13/12								
205			SOP - Chemical Inactivation	0 days	Fri 1/13/12	Fri 1/13/12								

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Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	

ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1						No
								T	W	T	F	S	S	
206			Lab Test - Viable Plate Count	0 days	Fri 1/13/12	Fri 1/13/12								
207			Lab Test - Ethanol Concentration	0 days	Fri 1/13/12	Fri 1/13/12								
208			Seed Flask 1	1 day	Mon 4/23/12	Mon 4/23/12	200,203,196,18							
209			Primary Propagation 1 in VS-3202A	1 day	Tue 4/24/12	Tue 4/24/12	208							
210			Secondary Propagation 1 in VS-3203A	1 day	Wed 4/25/12	Wed 4/25/12	201,209							
211			Seed Flask 2	1 day	Thu 4/26/12	Thu 4/26/12	210							
212			Primary Propagation 2 in VS-3202B	1 day	Fri 4/27/12	Fri 4/27/12	211							
213			Secondary Propagation 2 in VS-3203B	1 day	Mon 4/30/12	Mon 4/30/12	212							
214			CIP VS-3202A	1.5 days	Wed 4/25/12	Thu 4/26/12								
215			Run CIP System	0.5 days	Wed 4/25/12	Wed 4/25/12	209							
216			Sample and Plate	1 day	Wed 4/25/12	Thu 4/26/12	215							
217			CIP VS-3203A	1.5 days	Thu 4/26/12	Fri 4/27/12								
218			Run CIP System	0.5 days	Thu 4/26/12	Thu 4/26/12	210							
219			Sample and Plate	1 day	Thu 4/26/12	Fri 4/27/12	218							
220			CIP VS-3202B	1.5 days	Mon 4/30/12	Tue 5/1/12								
221			Run CIP System	0.5 days	Mon 4/30/12	Mon 4/30/12	212							
222			Sample and Plate	1 day	Mon 4/30/12	Tue 5/1/12	221							
223			CIP VS-3203B	1.5 days	Tue 5/1/12	Wed 5/2/12								
224			Run CIP System	0.5 days	Tue 5/1/12	Tue 5/1/12	213							
225			Sample and Plate	1 day	Tue 5/1/12	Wed 5/2/12	224							
226			MILESTONE: Validate Chemical Inactivation 1	0 days	Wed 5/2/12	Wed 5/2/12	216,219,222,22							
227			MILESTONE: DEMONSTRATE STRAIN PROPAGATION	0 days	Mon 4/30/12	Mon 4/30/12	213							
228			Strain Thermal Inactivation Verification 1	10.5 days	Fri 4/20/12	Mon 5/7/12								
229			Equipment Ready	1 day	Mon 4/23/12	Mon 4/23/12								
230			Thermal Inactivation System	1 day	Mon 4/23/12	Mon 4/23/12	189							
231			Documents/Procedures Ready	0 days	Fri 4/20/12	Fri 4/20/12								




















































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Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	



















ID		Task Mode	Task Name	Duration	Start	Finish	Predecessors	1						No
								T	W	T	F	S	S	
232			SOP - Strain Thermal Inactivation	0 days	Fri 4/20/12	Fri 4/20/12	189							
233			Pump Secondary Propagators to Fermentation Tank VS-3204A	1 day	Tue 5/1/12	Tue 5/1/12	232,213							
234			Pump Fermentation Tank A to Beer Well	1 day	Wed 5/2/12	Wed 5/2/12	233							
235			Run through Exchanger HP-4601	0.5 days	Thu 5/3/12	Thu 5/3/12	234							
236			Run through Distillation System	0.5 days	Thu 5/3/12	Thu 5/3/12	235							
237			Collect in Decanter Feed Tank	0.5 days	Fri 5/4/12	Fri 5/4/12	236							
238			Sample and Plate	1 day	Fri 5/4/12	Mon 5/7/12	237							
239			CIP Fermentation Tank VS-3204A	1 day	Thu 5/3/12	Thu 5/3/12	234							
240			CIP Beer Well	1 day	Fri 5/4/12	Mon 5/7/12	237							
241			MILESTONE: VALIDATE THERMAL INACTIVATION 1	0 days	Mon 5/7/12	Mon 5/7/12	238							
242			Fermentation	79 days	Fri 1/27/12	Wed 5/16/12								
243			Equipment Ready	72.5 days	Fri 1/27/12	Tue 5/8/12								
244			pH Adjustment Tank	1 day	Fri 1/27/12	Fri 1/27/12	22							
245			Propagation in VS-3202A	1 day	Wed 5/2/12	Wed 5/2/12	233							
246			Propagation in VS-3203A	1 day	Wed 5/2/12	Wed 5/2/12	233							
247			Fermentation Tank VS-3204A	1 day	Fri 5/4/12	Fri 5/4/12	239							
248			Beer Well	1 day	Mon 5/7/12	Tue 5/8/12	240							
249			Documents/Procedures Ready	0 days	Wed 5/2/12	Wed 5/2/12								
250			SOP - Ethanol Fermentation	0 days	Wed 5/2/12	Wed 5/2/12	234							
251			SOP - pH Adjustment	0 days	Wed 5/2/12	Wed 5/2/12	234							
252			Pretreatment	0.5 days	Thu 5/3/12	Thu 5/3/12	250							
253			Liquefaction	0.5 days	Thu 5/3/12	Thu 5/3/12	252							
254			pH Adjustment	0.2 days	Fri 5/4/12	Fri 5/4/12	251,253							
255			Seed Flask	0 days	Thu 5/3/12	Thu 5/3/12	252							
256			Primary Propagation in VS-3202A	1 day	Thu 5/3/12	Fri 5/4/12	255							

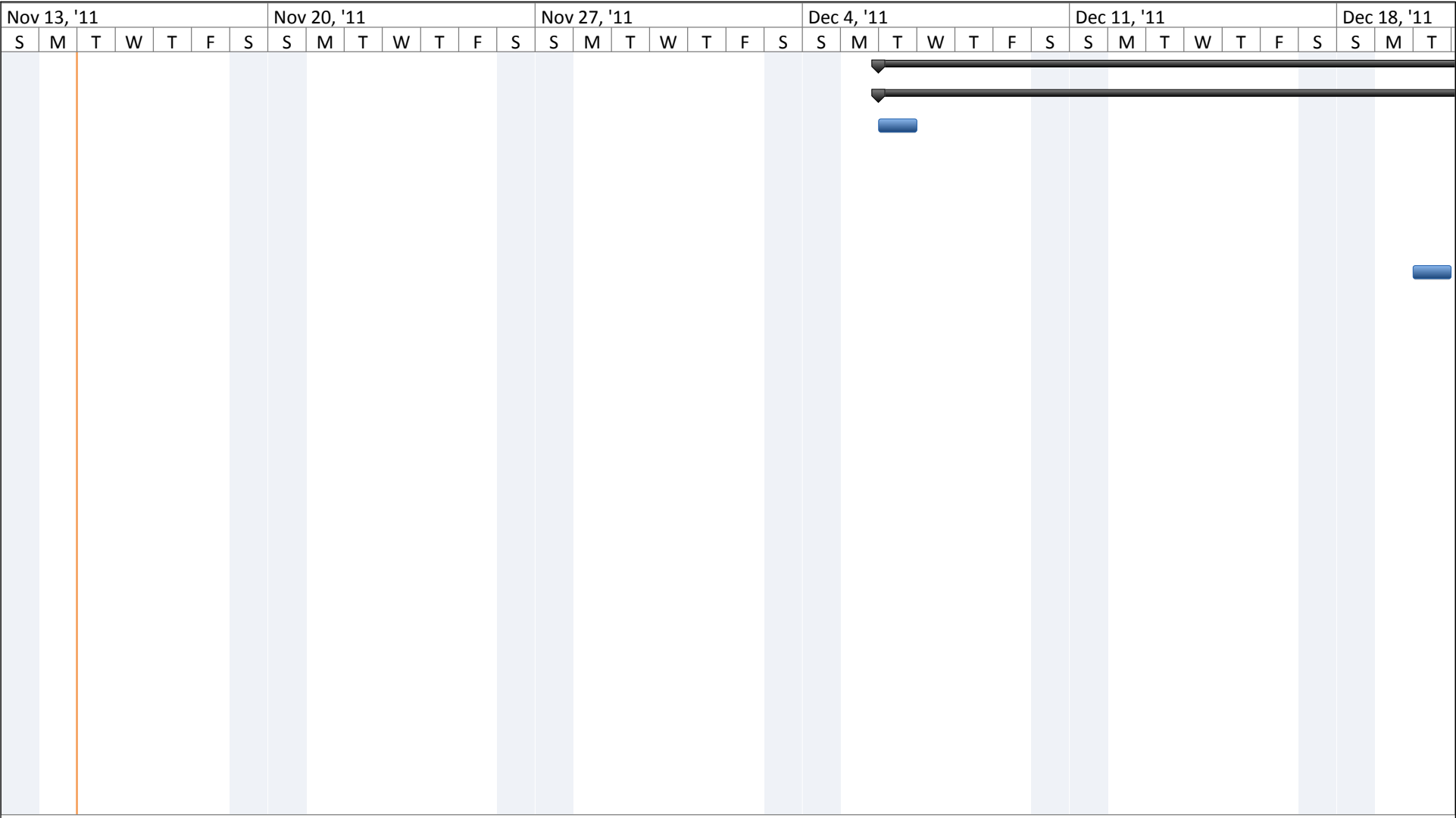
Project: Commissioning FT9
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Task		External Milestone		Manual Summary Rollup	
Split		Inactive Task		Manual Summary	
Milestone		Inactive Milestone		Start-only	
Summary		Inactive Summary		Finish-only	
Project Summary		Manual Task		Deadline	
External Tasks		Duration-only		Progress	

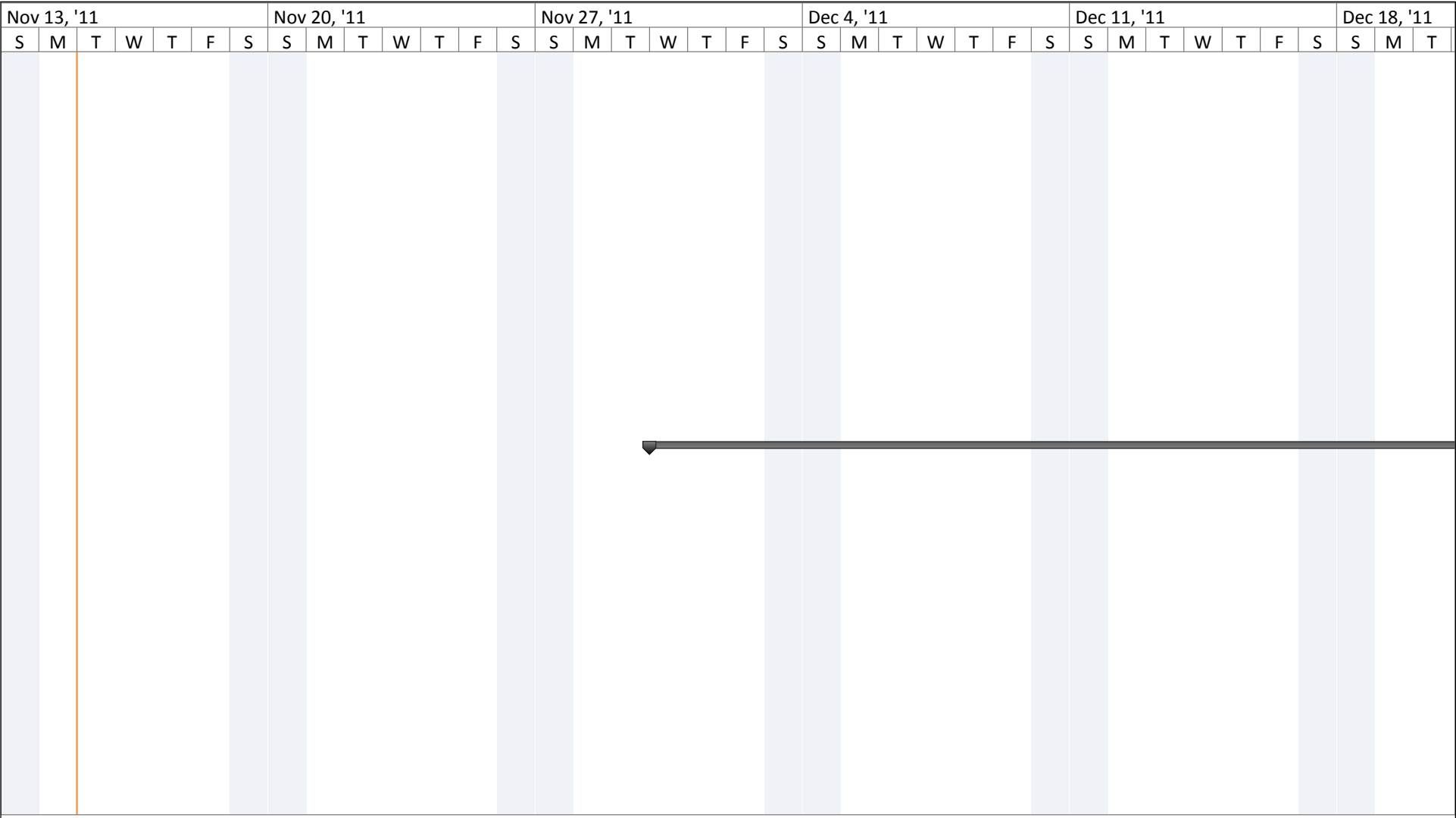
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257			Secondary Propagation in VS-3203A	1 day	Fri 5/4/12	Mon 5/7/12	256							
258			Fermentation Tank VS-3204A	5 days	Mon 5/7/12	Mon 5/14/12	254,257							
259			Pump Fermentation to Beer Well	1 day	Mon 5/14/12	Tue 5/15/12	258							
260			CIP VS-3202A	1.5 days	Fri 5/4/12	Mon 5/7/12								
261			Run CIP System	0.5 days	Fri 5/4/12	Fri 5/4/12	256							
262			Sample and Plate	1 day	Mon 5/7/12	Mon 5/7/12	261							
263			CIP VS-3203A	1.5 days	Mon 5/7/12	Tue 5/8/12								
264			Run CIP System	0.5 days	Mon 5/7/12	Mon 5/7/12	257							
265			Sample and Plate	1 day	Tue 5/8/12	Tue 5/8/12	264							
266			CIP VS-3204A	1.5 days	Tue 5/15/12	Wed 5/16/12								
267			Run CIP System	0.5 days	Tue 5/15/12	Tue 5/15/12	259							
268			Sample and Plate	1 day	Wed 5/16/12	Wed 5/16/12	267							
269			MILESTONE: ETHANOL FERMENTATION COMMISSIONED	0 days	Tue 5/15/12	Tue 5/15/12	259							
270			MILESTONE: CHEMICAL INACTIVATION VALIDATION 2	0 days	Wed 5/16/12	Wed 5/16/12	268							
271			Distillation	15 days	Fri 6/1/12	Thu 6/21/12								
272			Equipment Ready	2 days	Mon 6/18/12	Tue 6/19/12								
273			Beer Stripping Column	1 day	Mon 6/18/12	Mon 6/18/12	28							
274			Rectivication Column	1 day	Tue 6/19/12	Tue 6/19/12	273							
275			Documentation/Procedures Ready	0 days	Fri 6/1/12	Fri 6/1/12								
276			SOP - Distillation	0 days	Fri 6/1/12	Fri 6/1/12								
277			Feed Beer Column	1 day	Wed 6/20/12	Wed 6/20/12	274,276							
278			Collect stillage in decantor feed tank	1 day	Thu 6/21/12	Thu 6/21/12	277							
279			Collect crude ethanol in storage tank	1 day	Thu 6/21/12	Thu 6/21/12	277							
280			MILESTONE: CRUDE ETHANOL PRODUCTION	0 days	Thu 6/21/12	Thu 6/21/12	279							
281			MILESTONE: DISTILLATION COMMISSIONED	0 days	Thu 6/21/12	Thu 6/21/12	279							

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External Tasks		Duration-only		Progress	



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	Split		Inactive Task		Manual Summary	
	Milestone		Inactive Milestone		Start-only	
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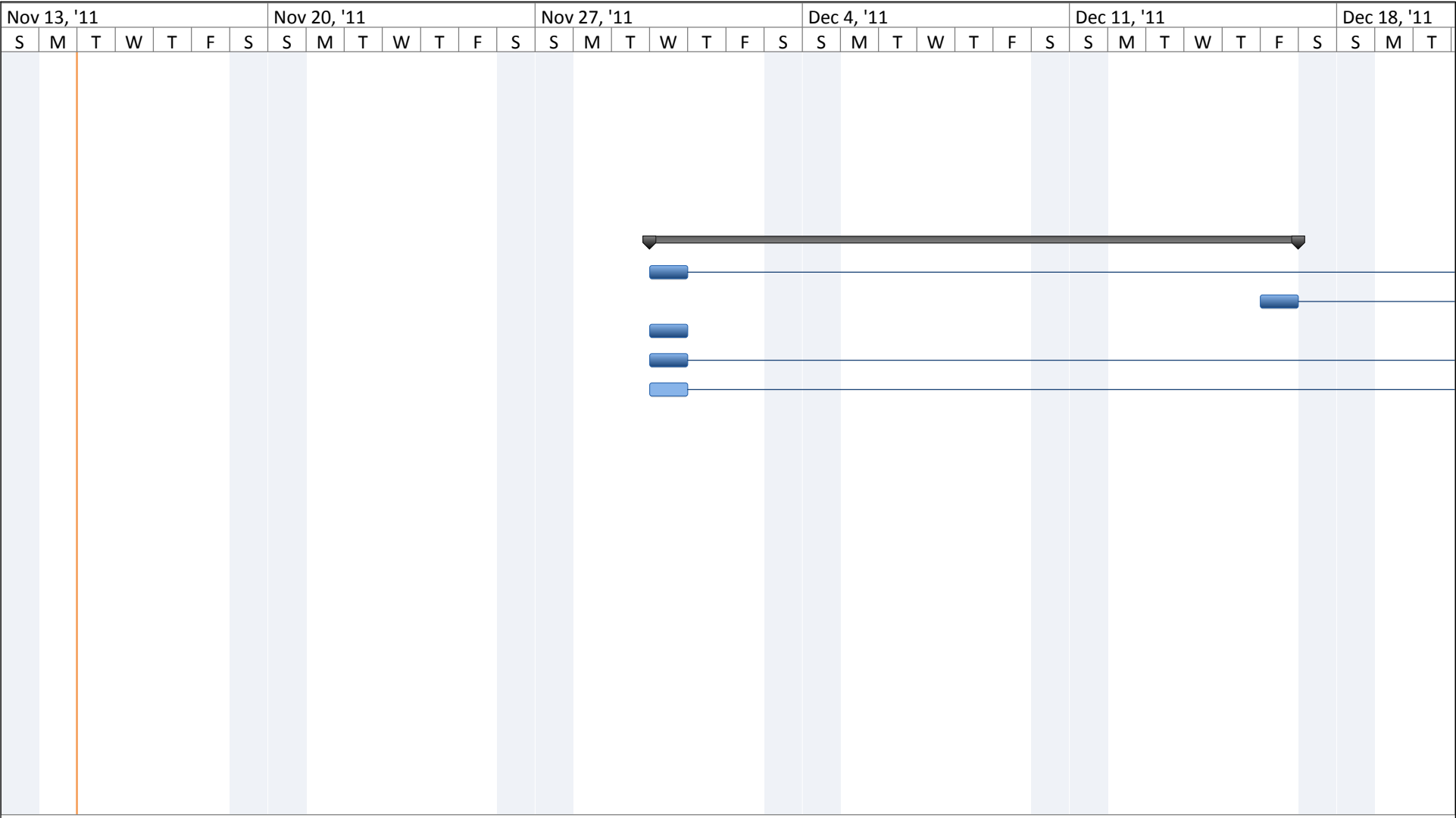
Manual Summary

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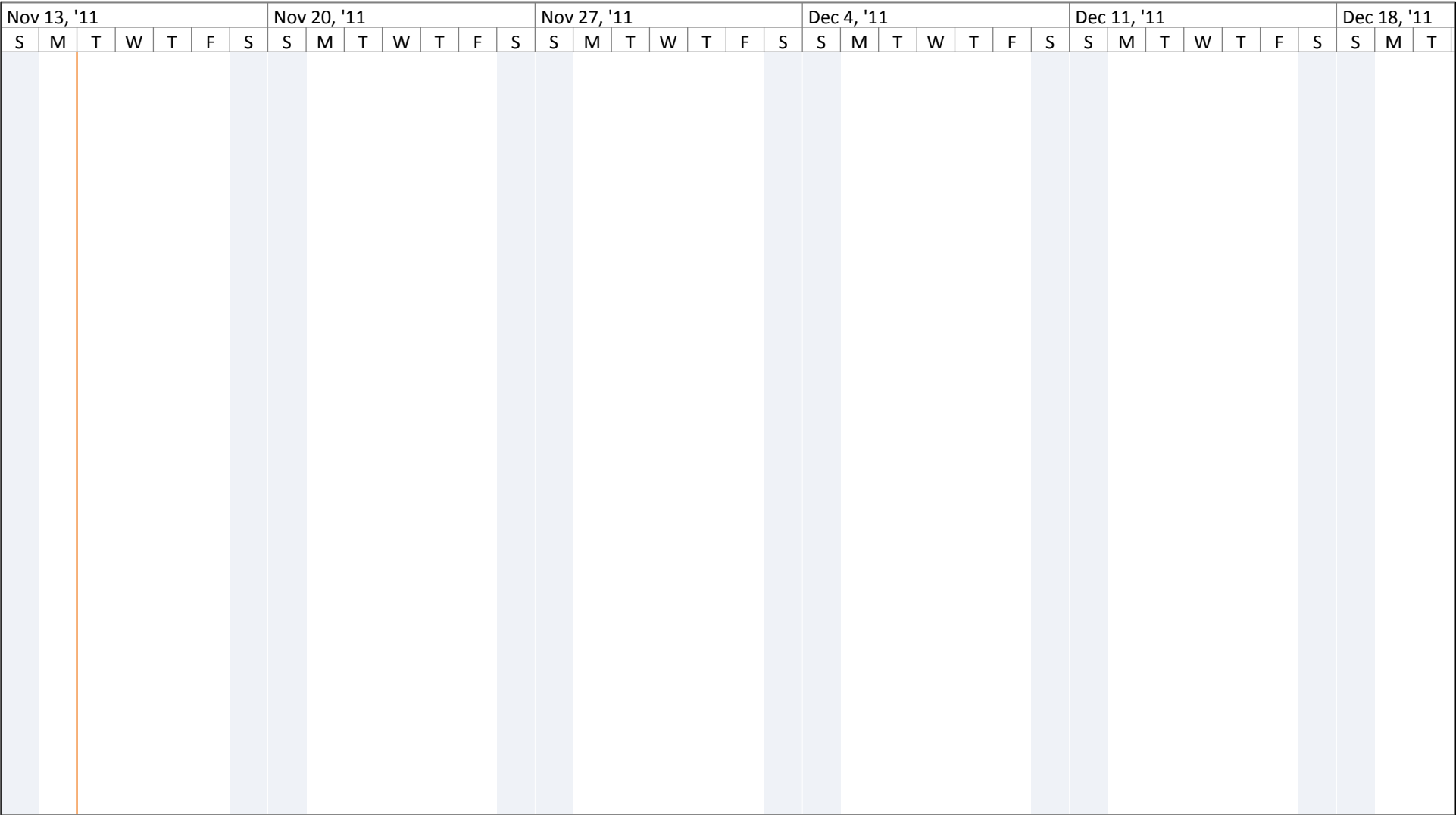
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	Split		Inactive Task		Manual Summary	
	Milestone		Inactive Milestone		Start-only	
	Summary		Inactive Summary		Finish-only	
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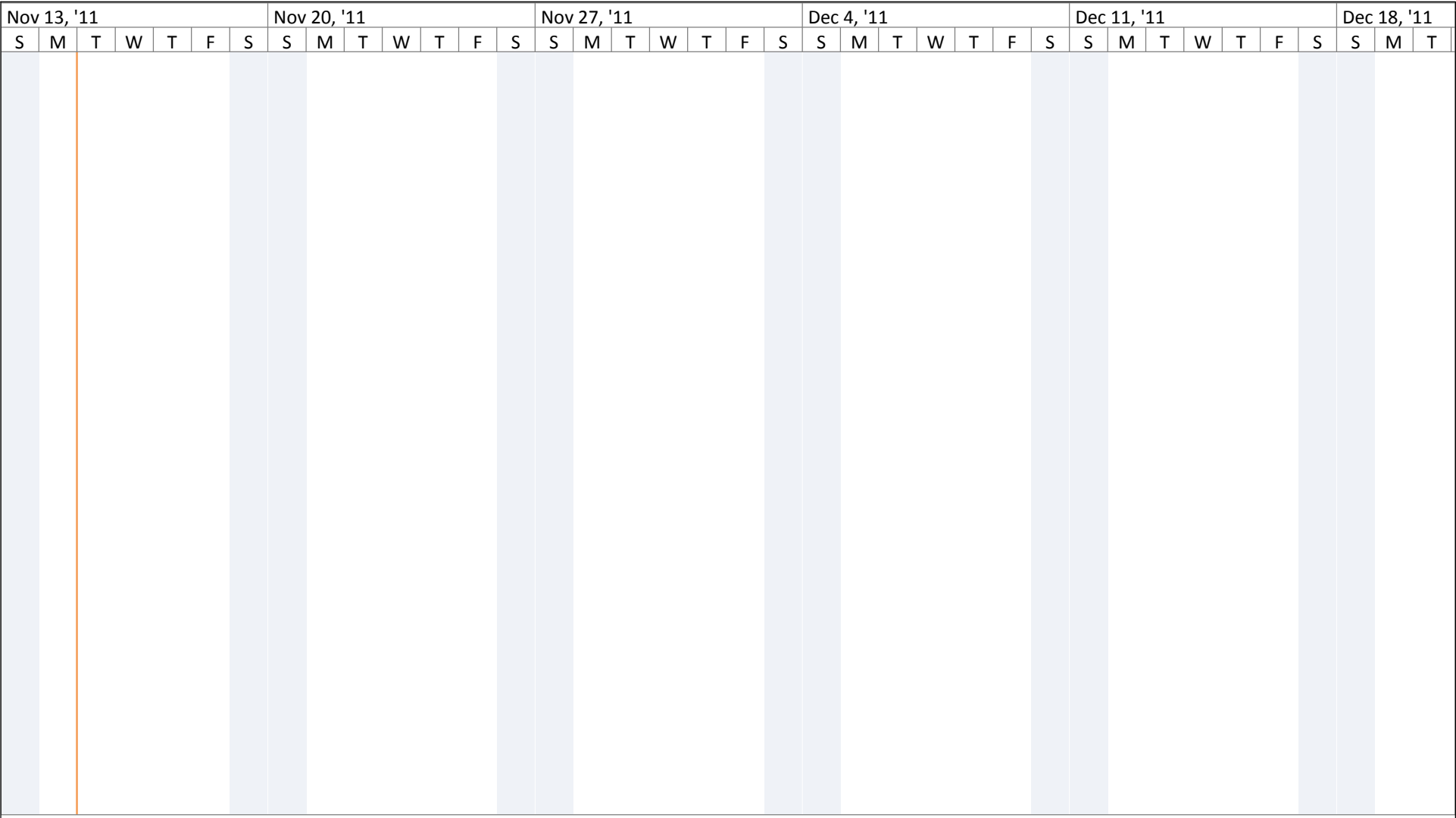
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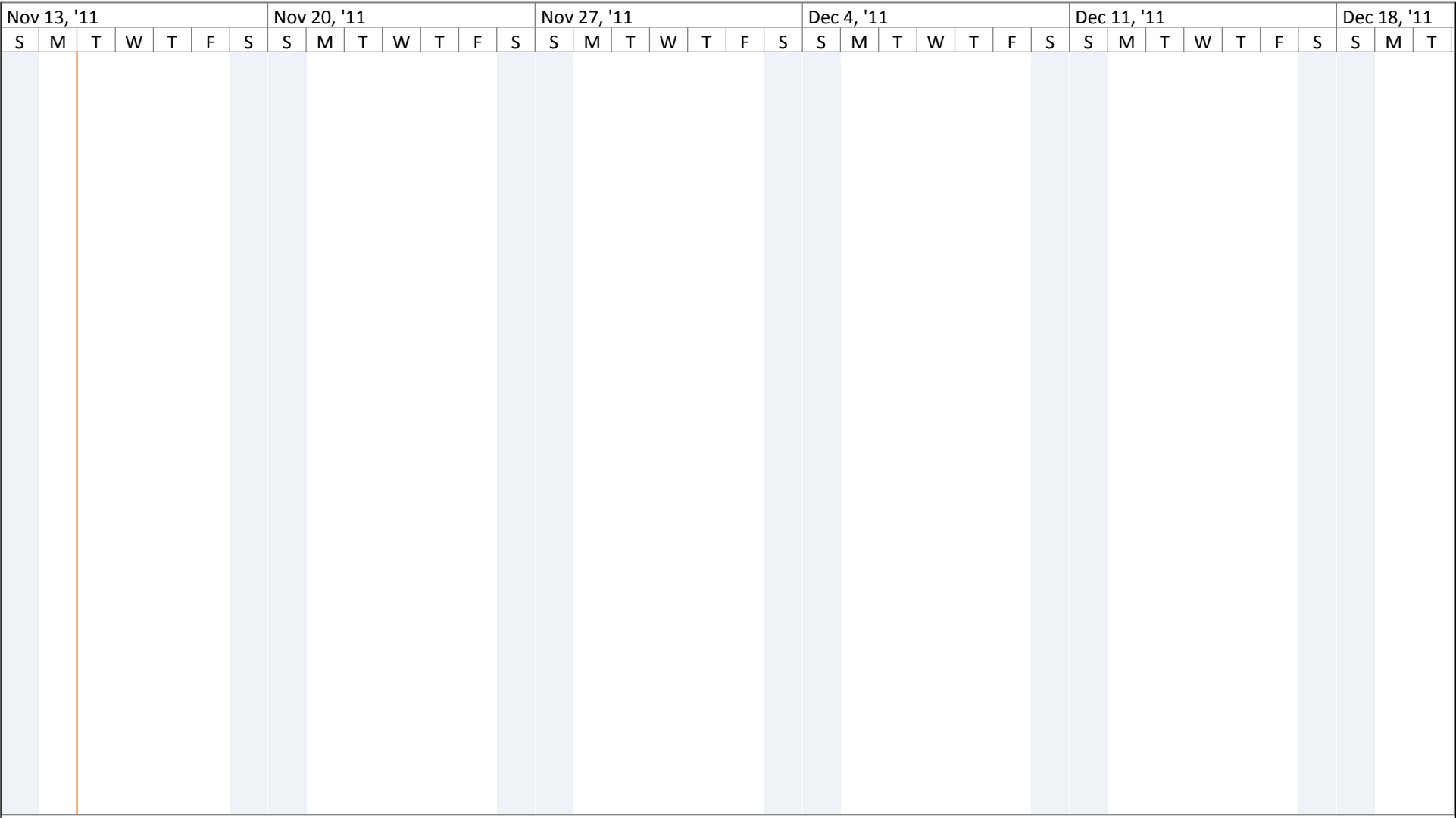
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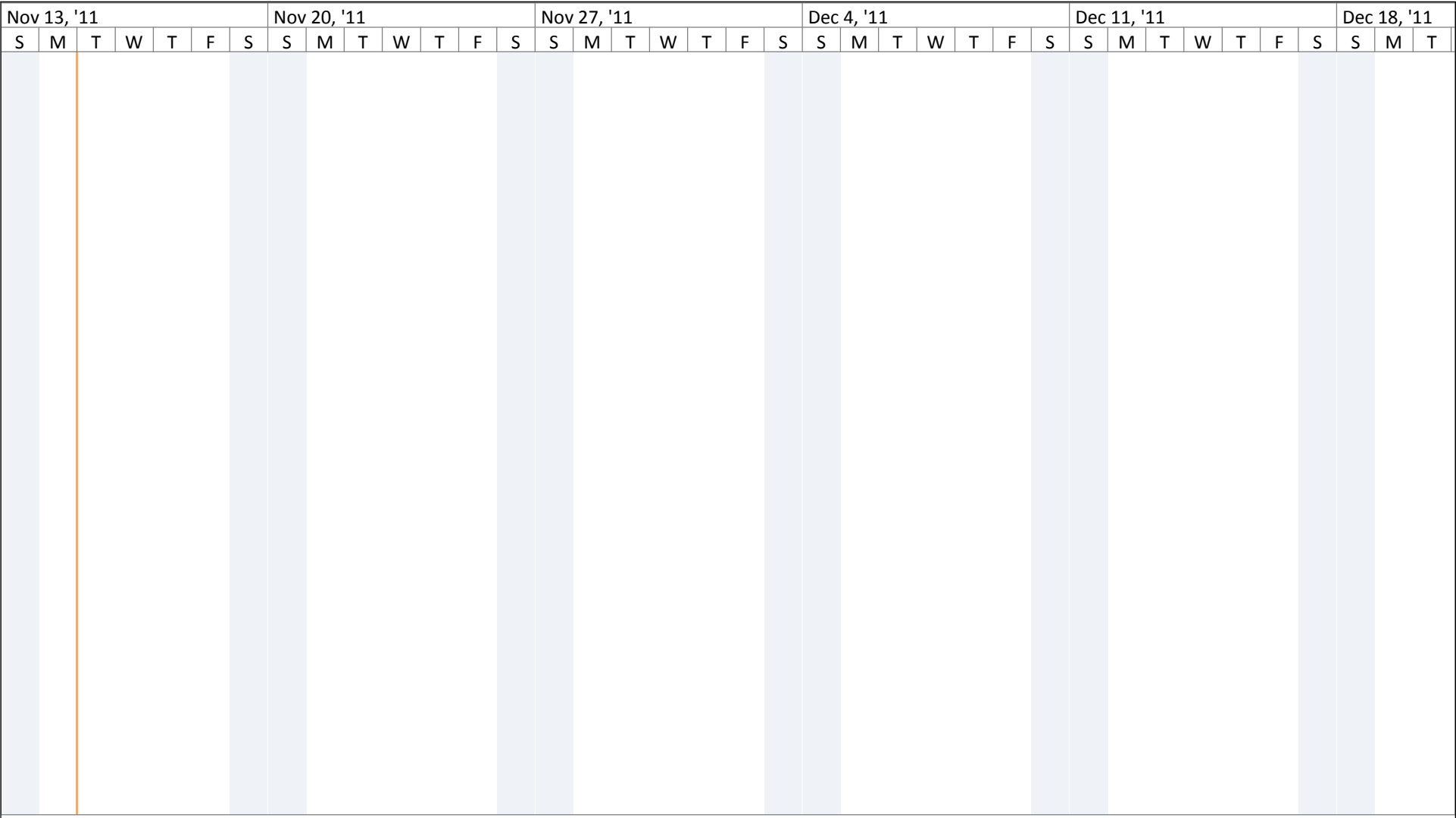
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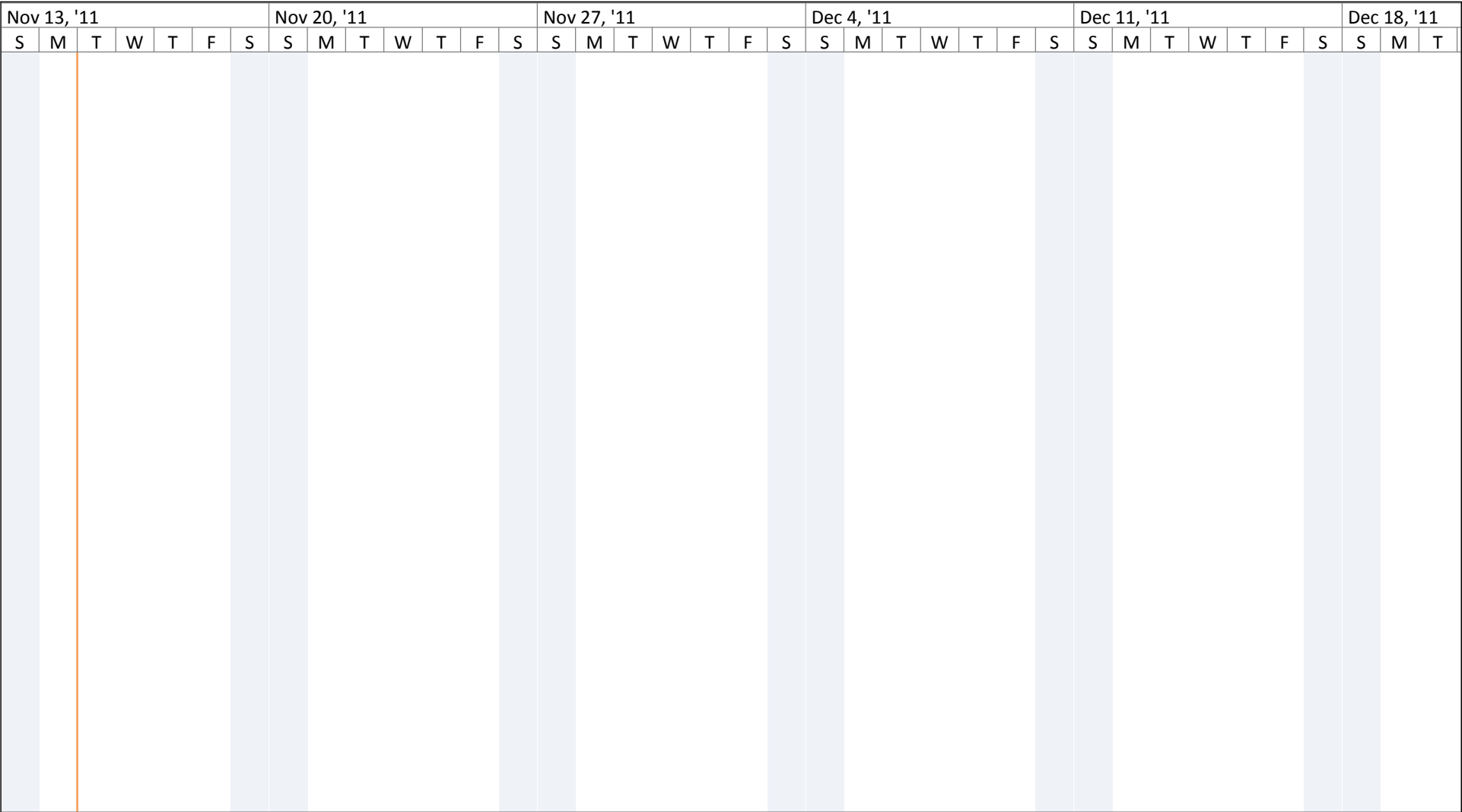
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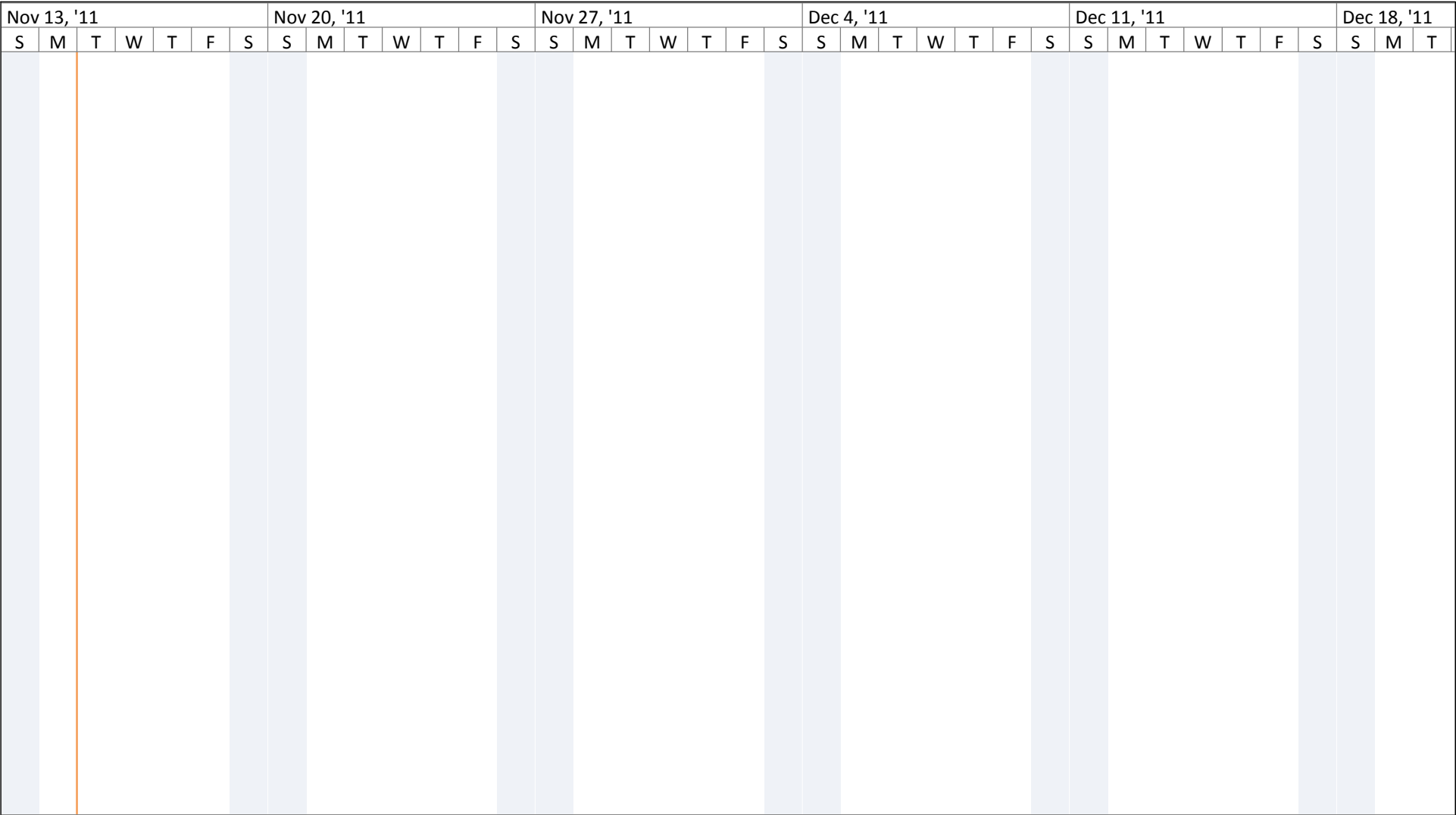
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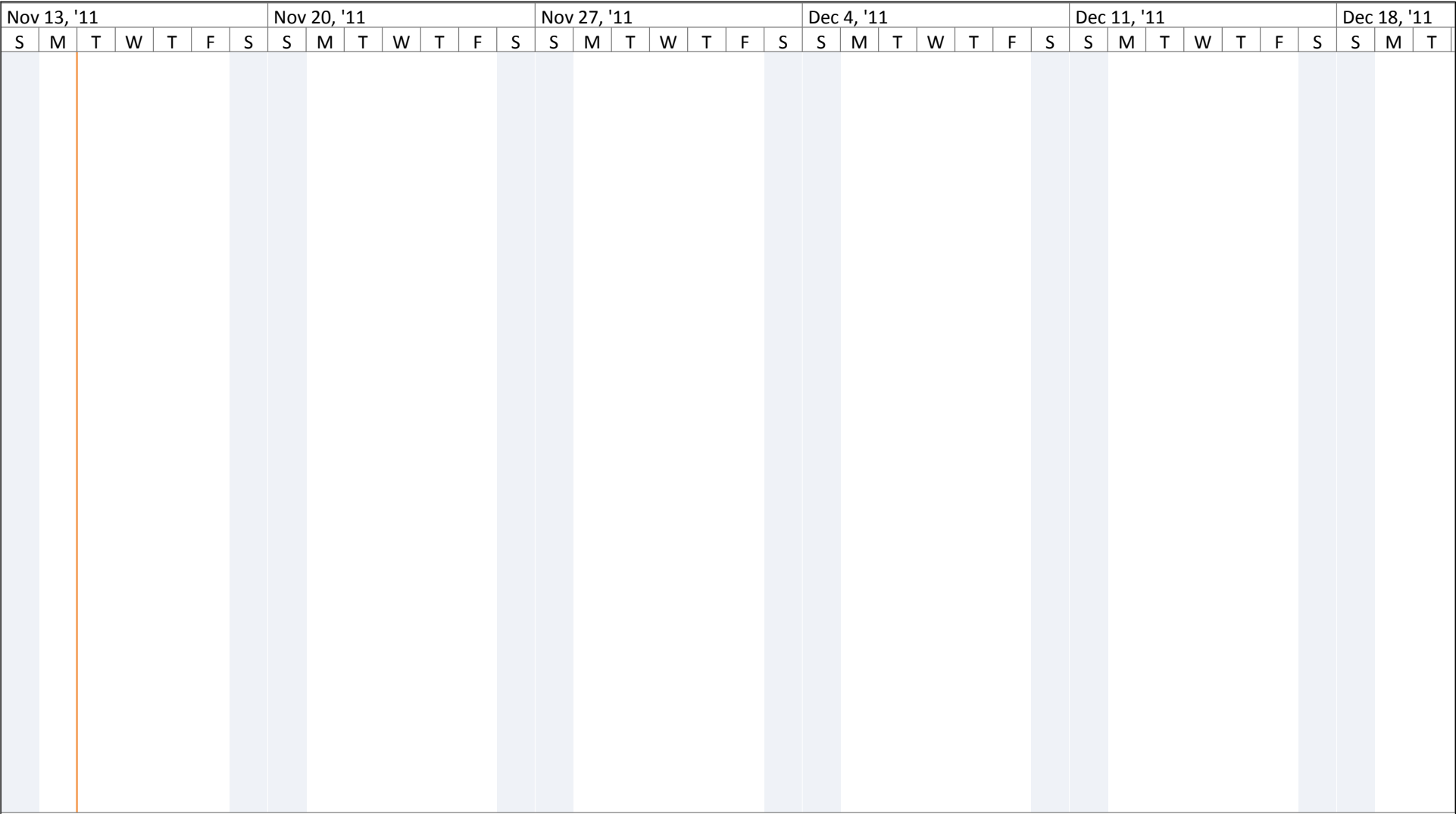
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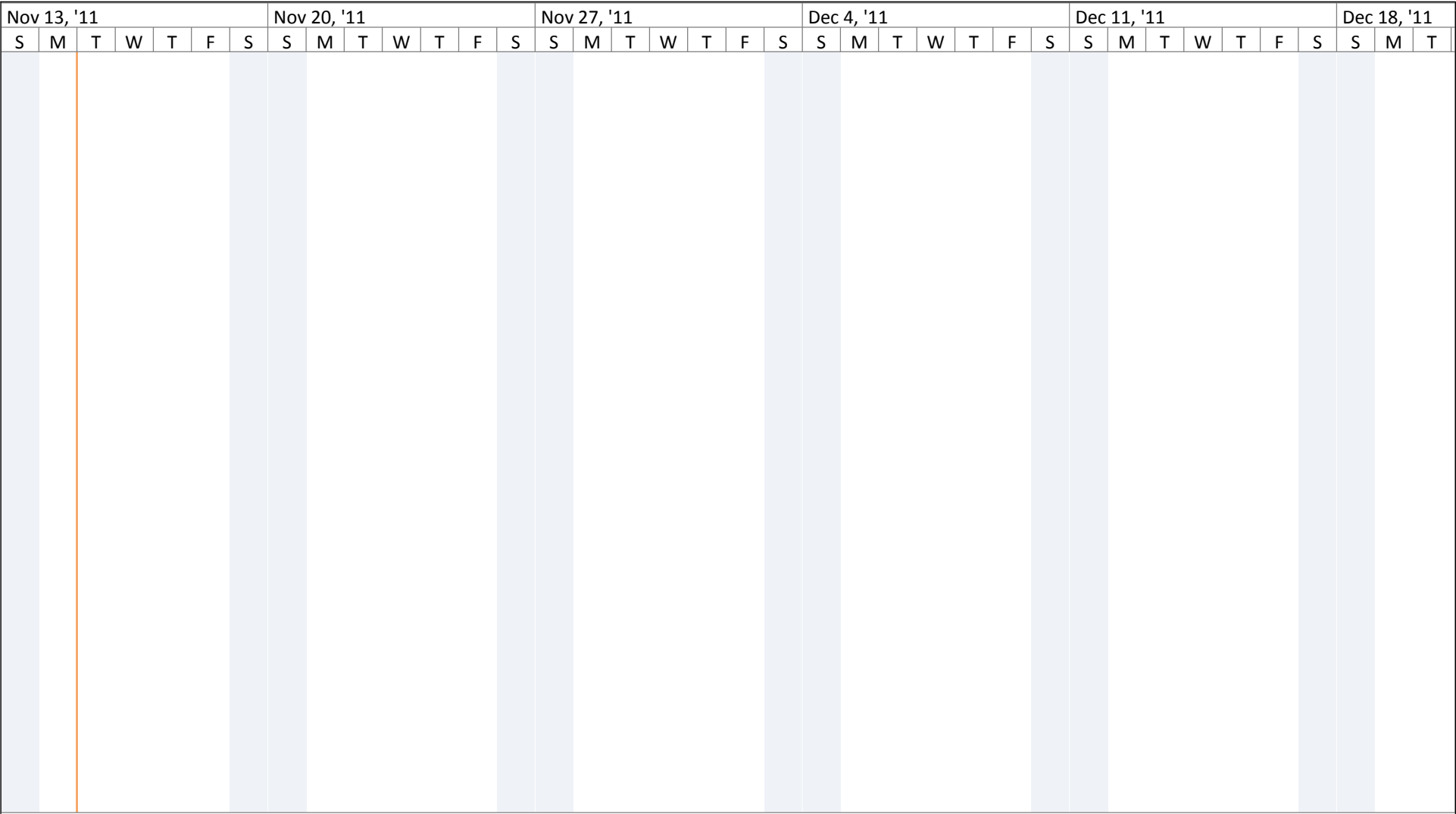
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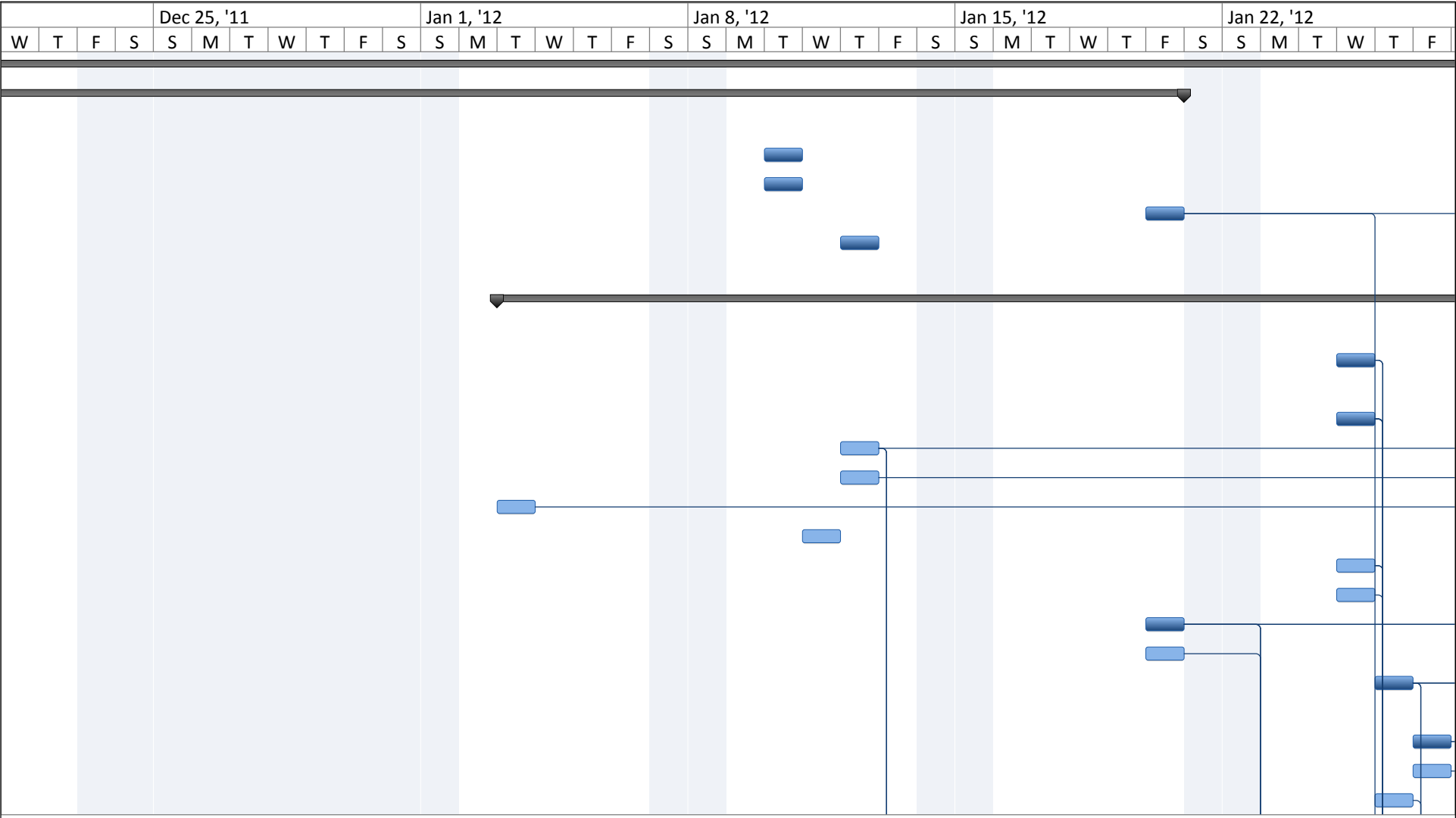
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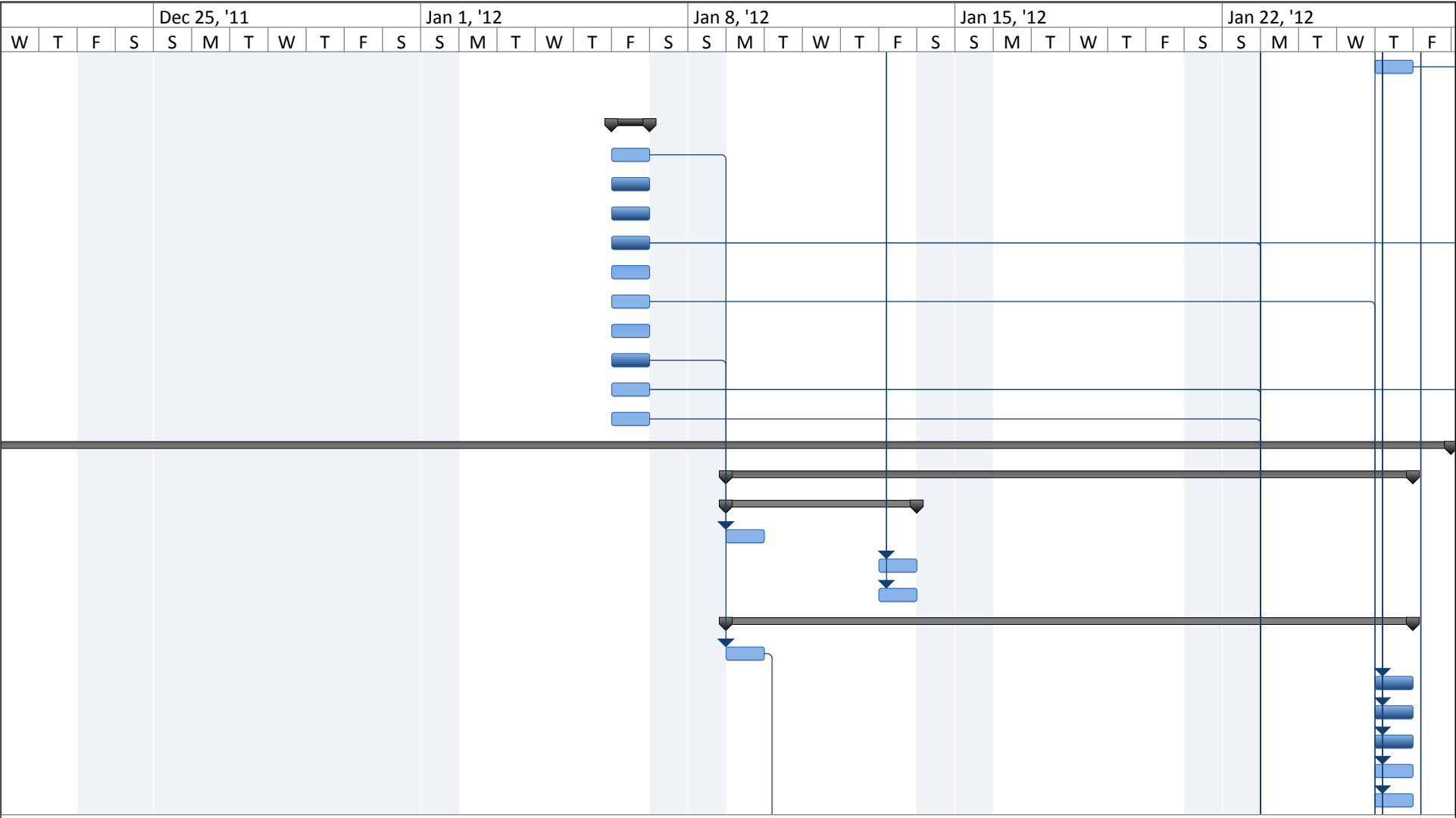
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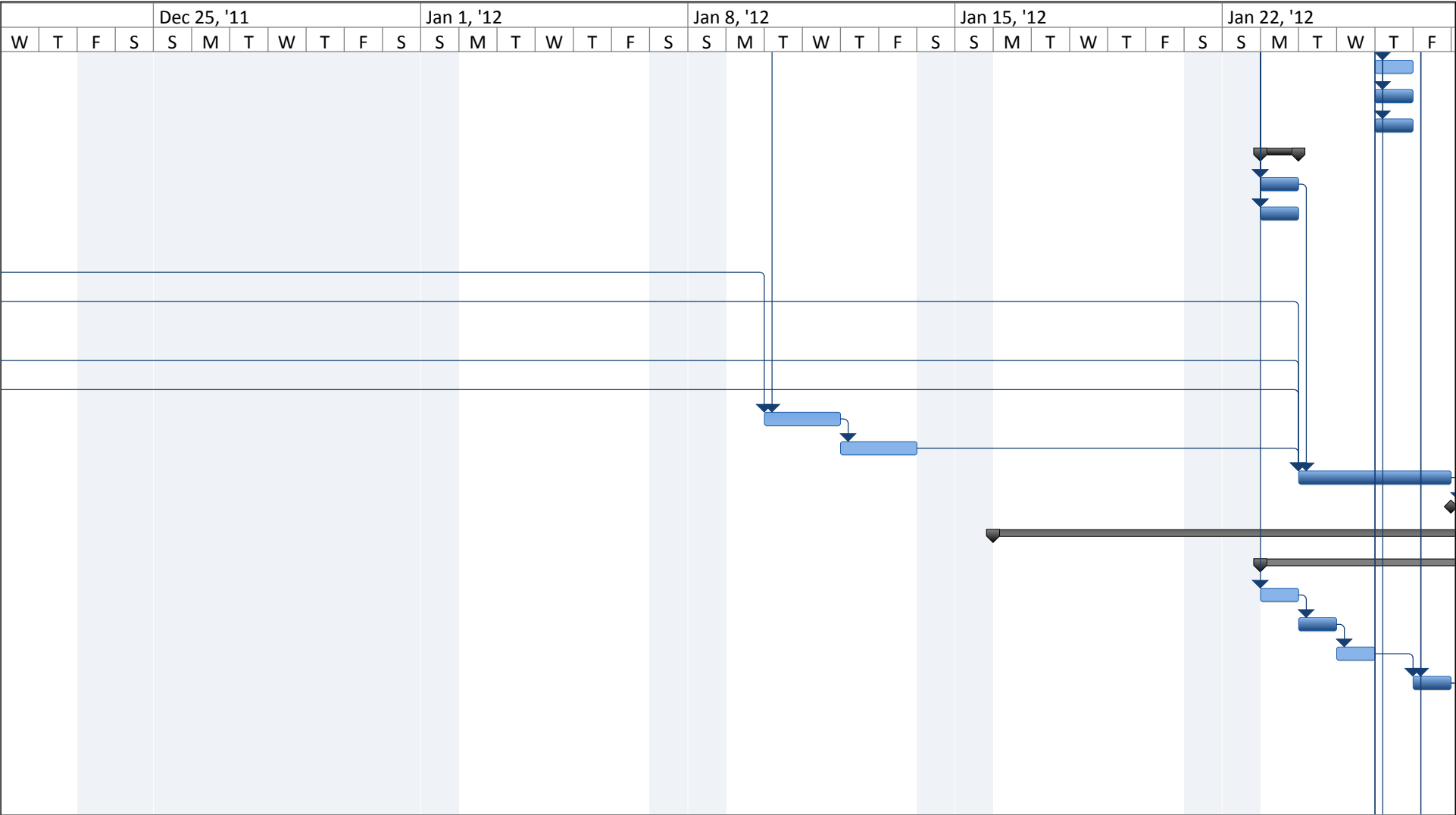
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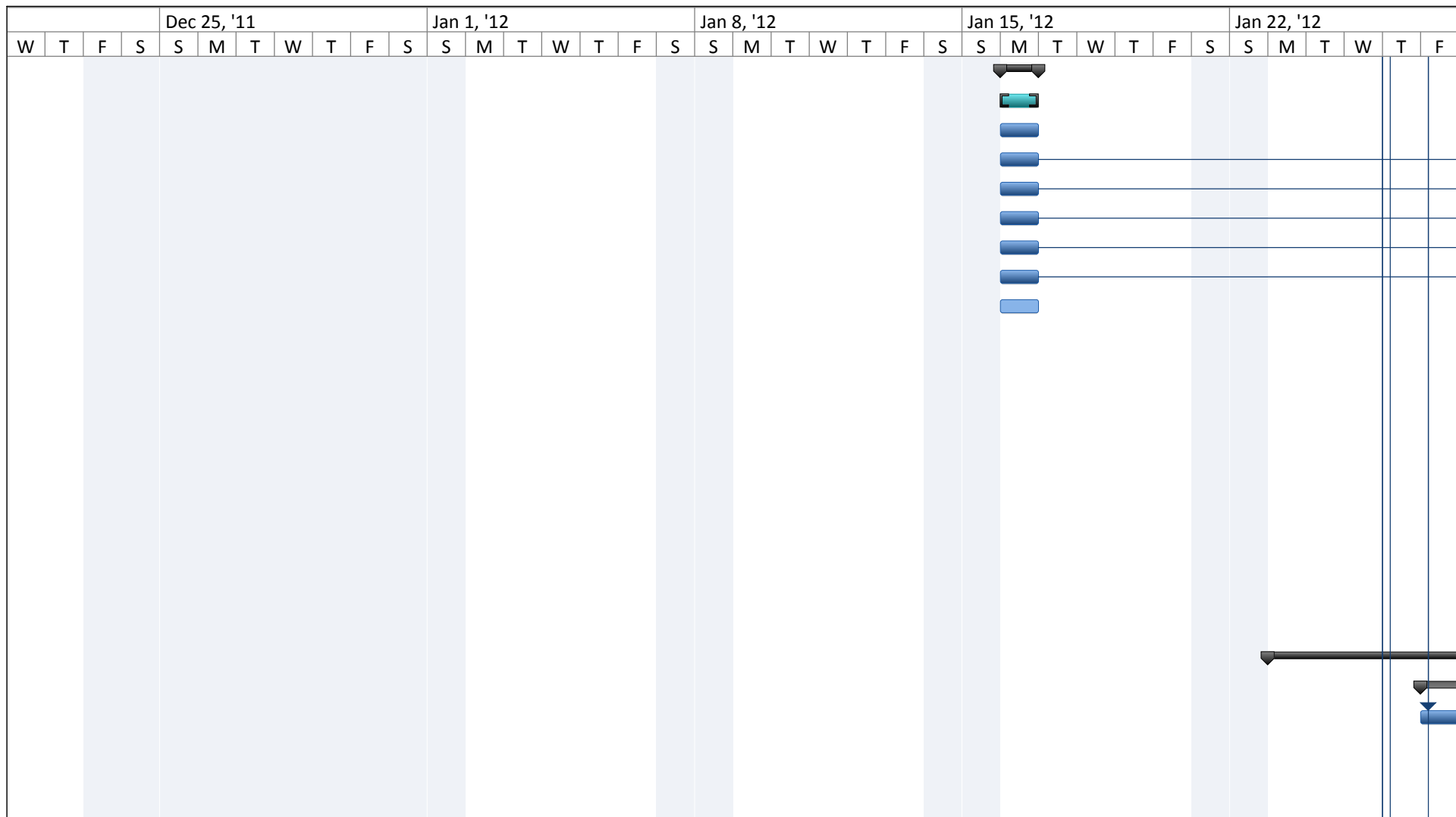
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Start-only

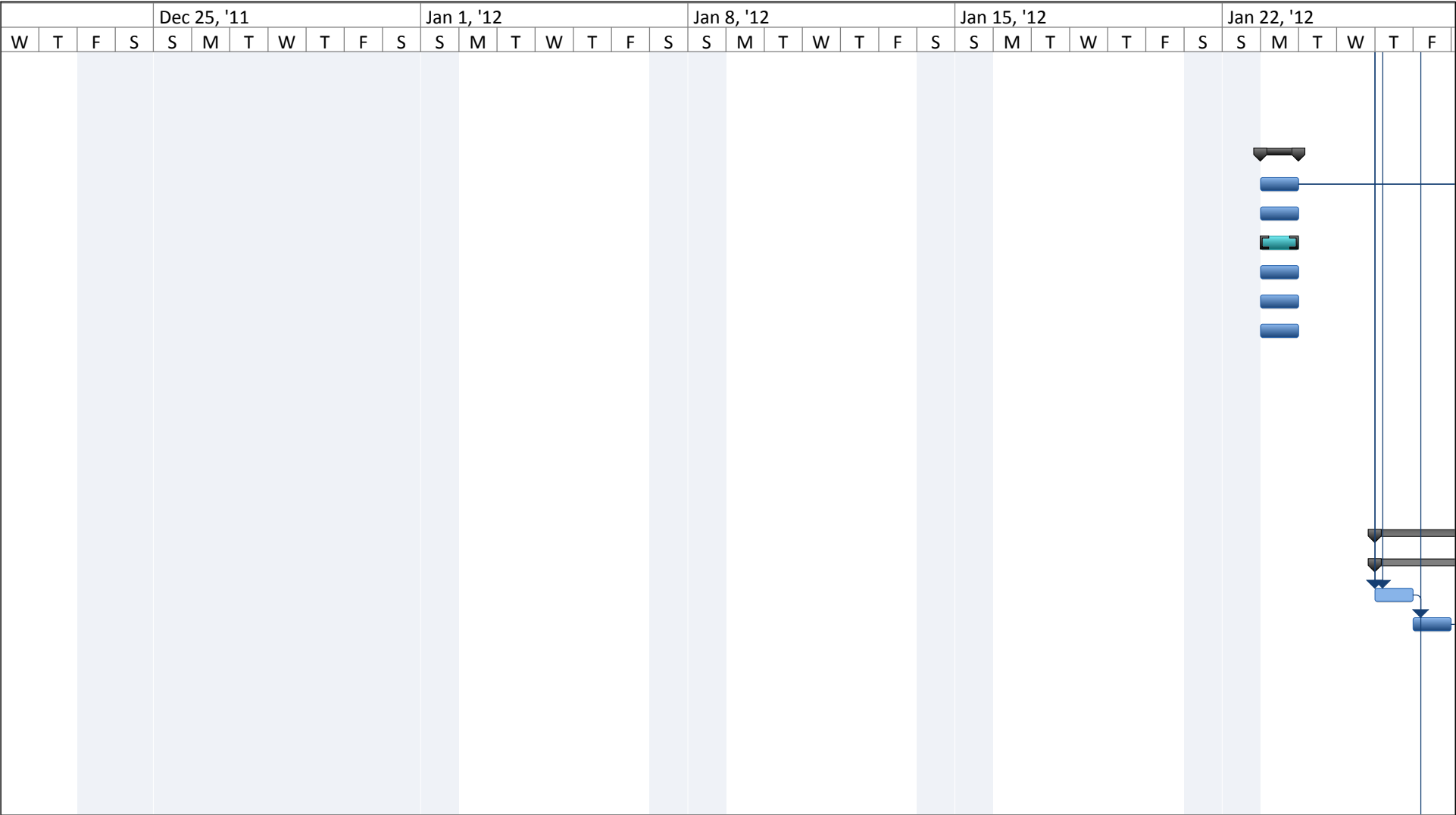
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	Milestone		Inactive Milestone		Start-only	
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	Project Summary		Manual Task		Deadline	
	External Tasks		Duration-only		Progress	

				Dec 25, '11				Jan 1, '12				Jan 8, '12				Jan 15, '12				Jan 22, '12			
W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F

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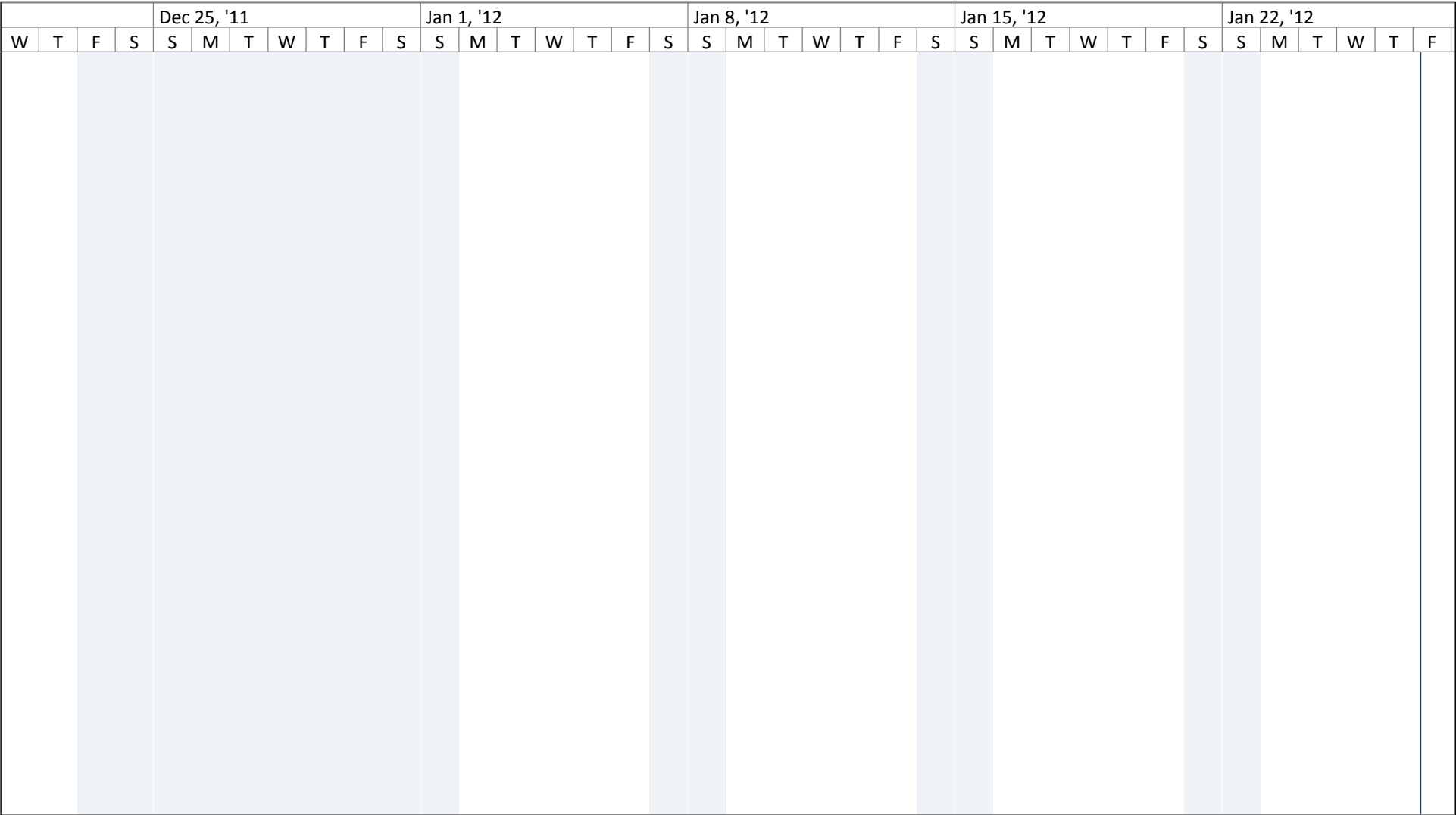
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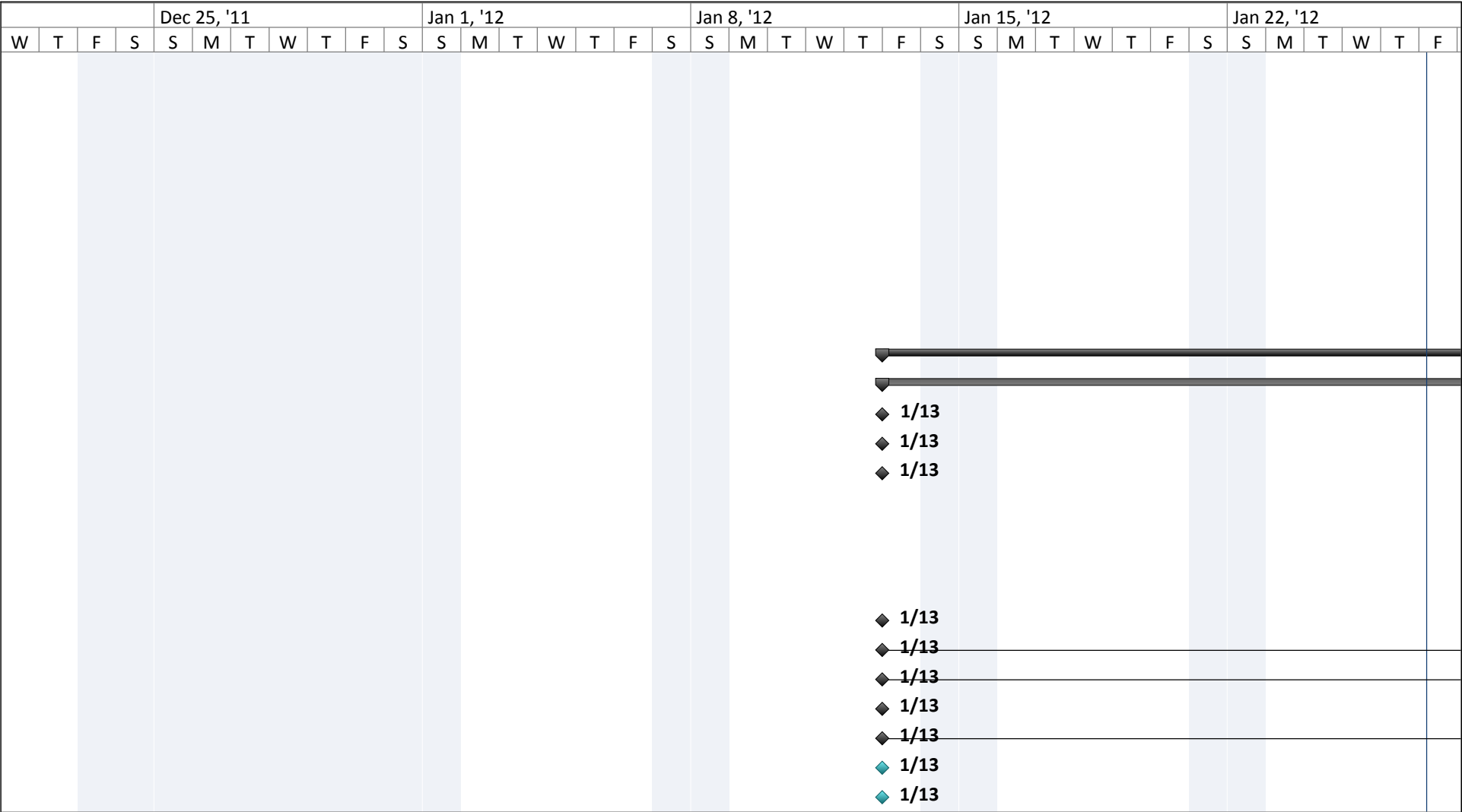
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Start-only

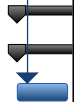
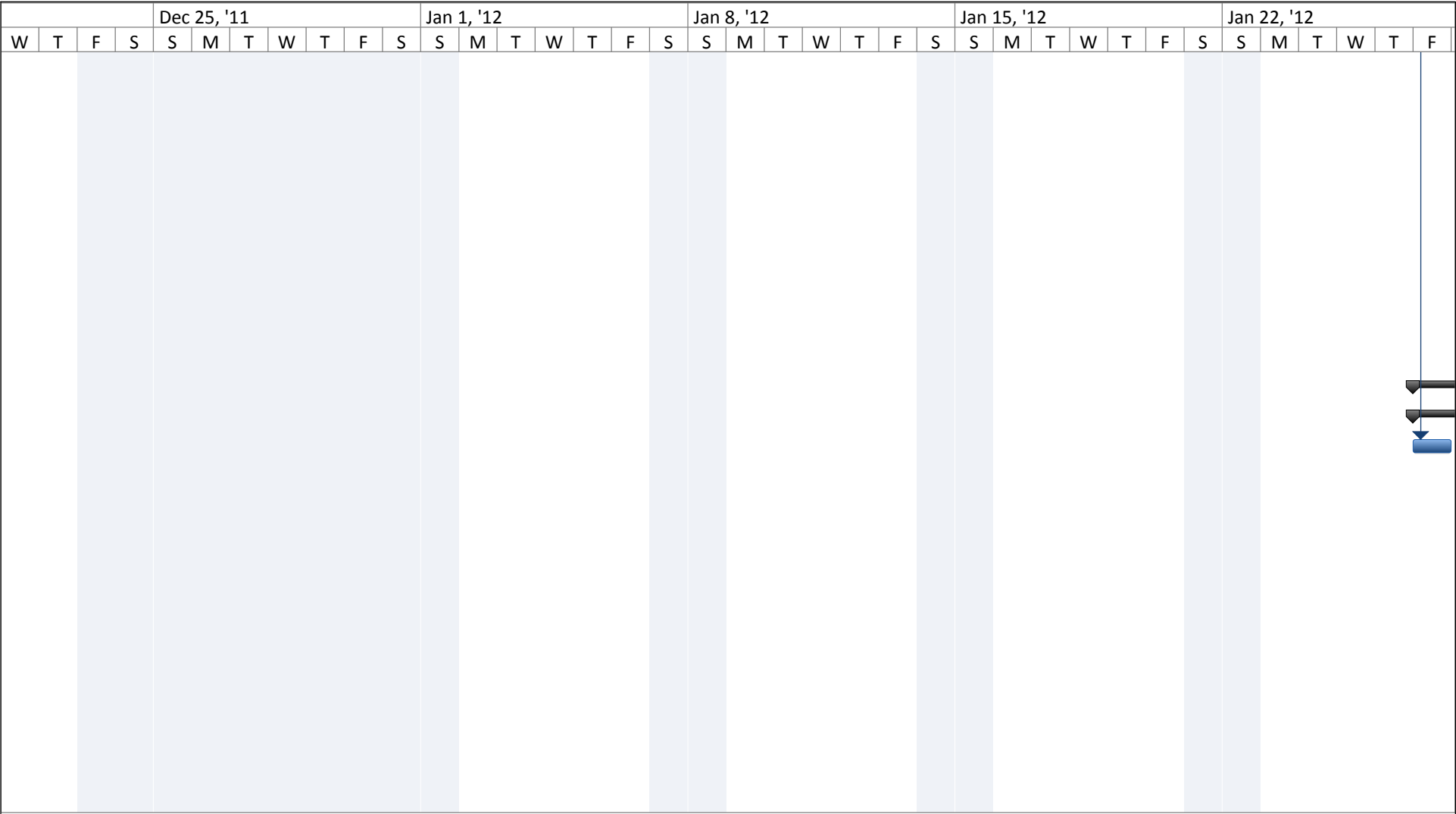
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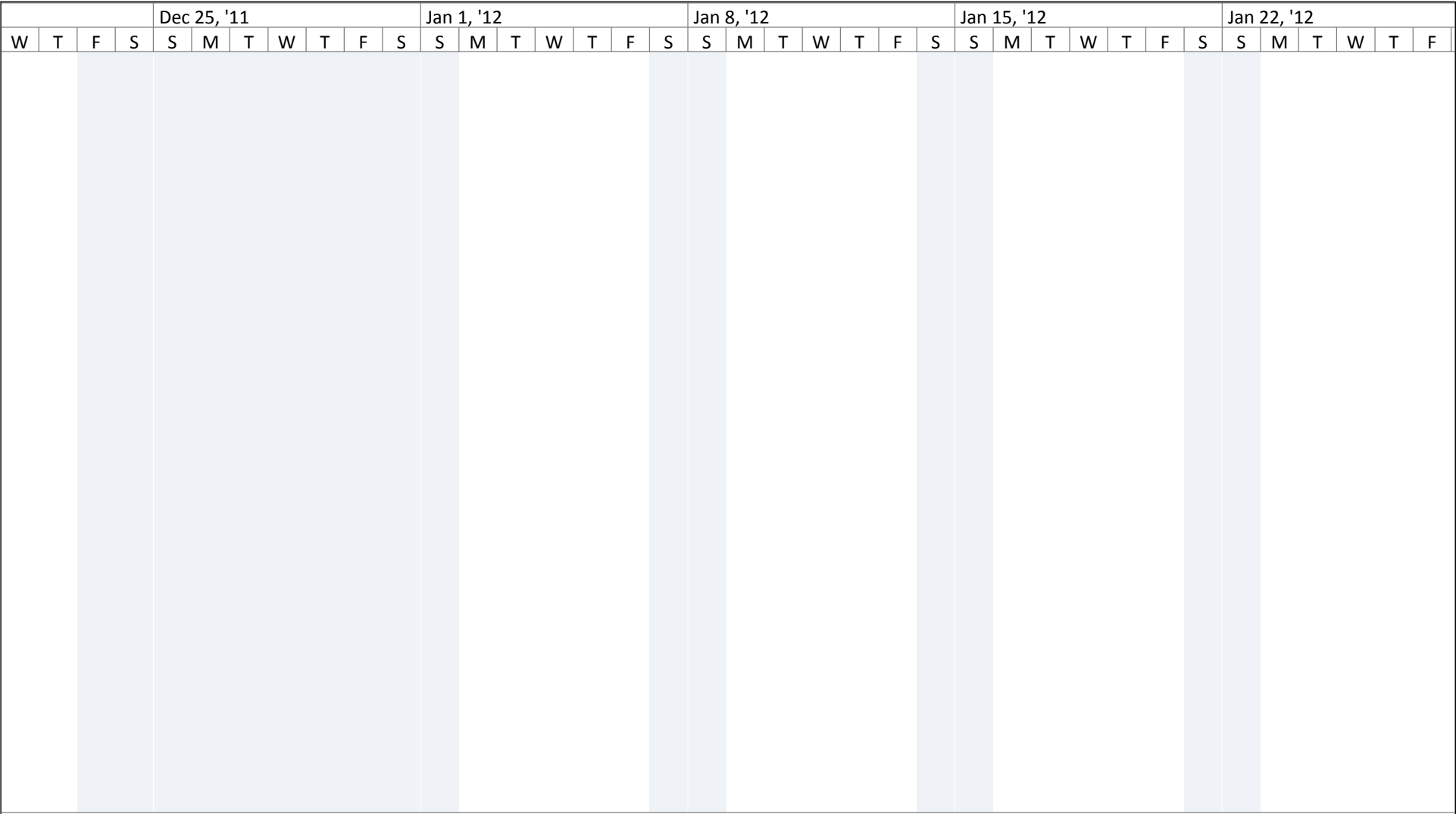
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				Dec 25, '11				Jan 1, '12				Jan 8, '12				Jan 15, '12				Jan 22, '12										
W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F
<div>◆ 1/13</div> <div>◆ 1/13</div>																														

Project: Commissioning FT9 Date: Tue 11/15/11	Task		External Milestone		Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
	Milestone		Inactive Milestone		Start-only	
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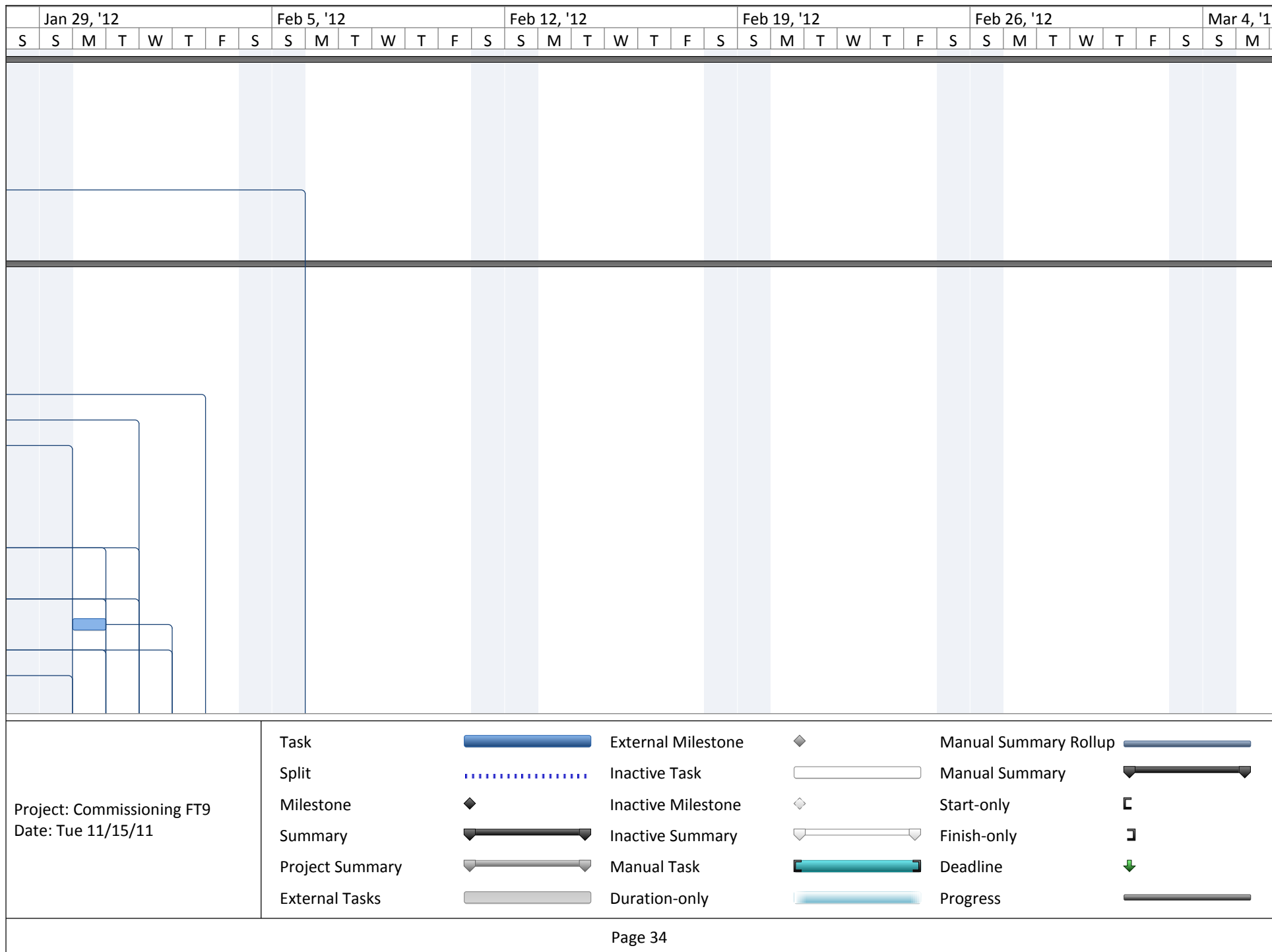
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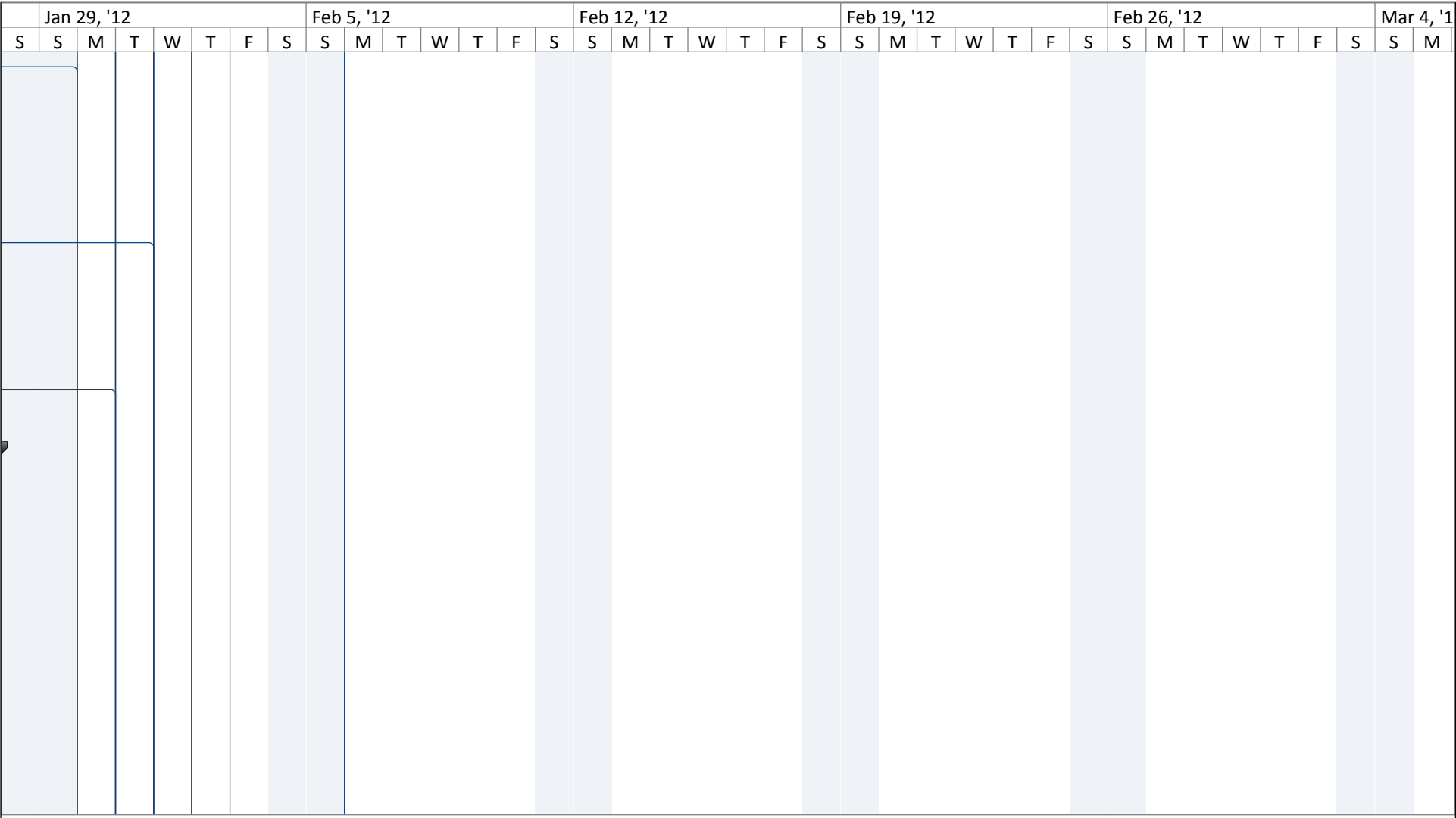
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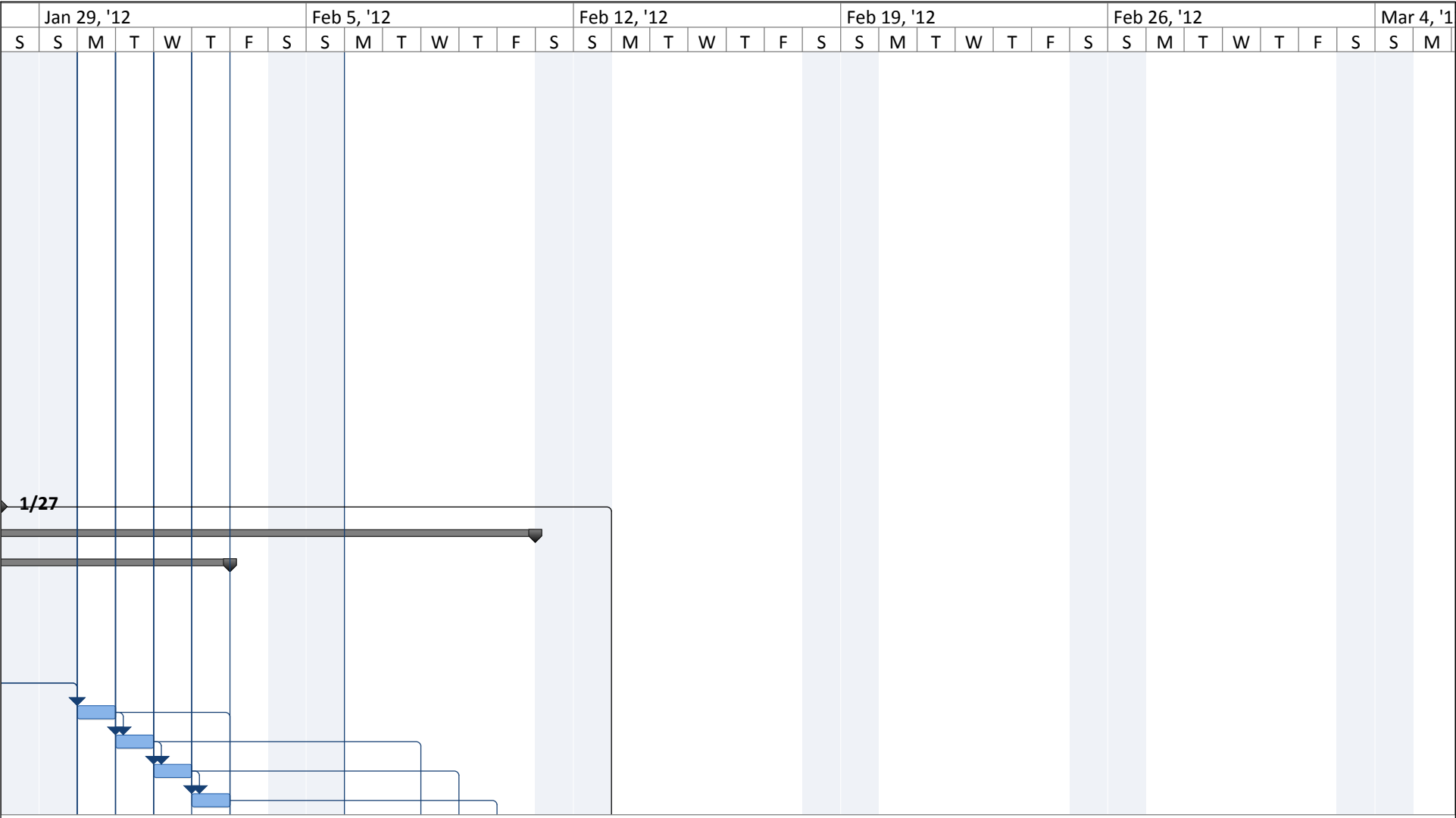
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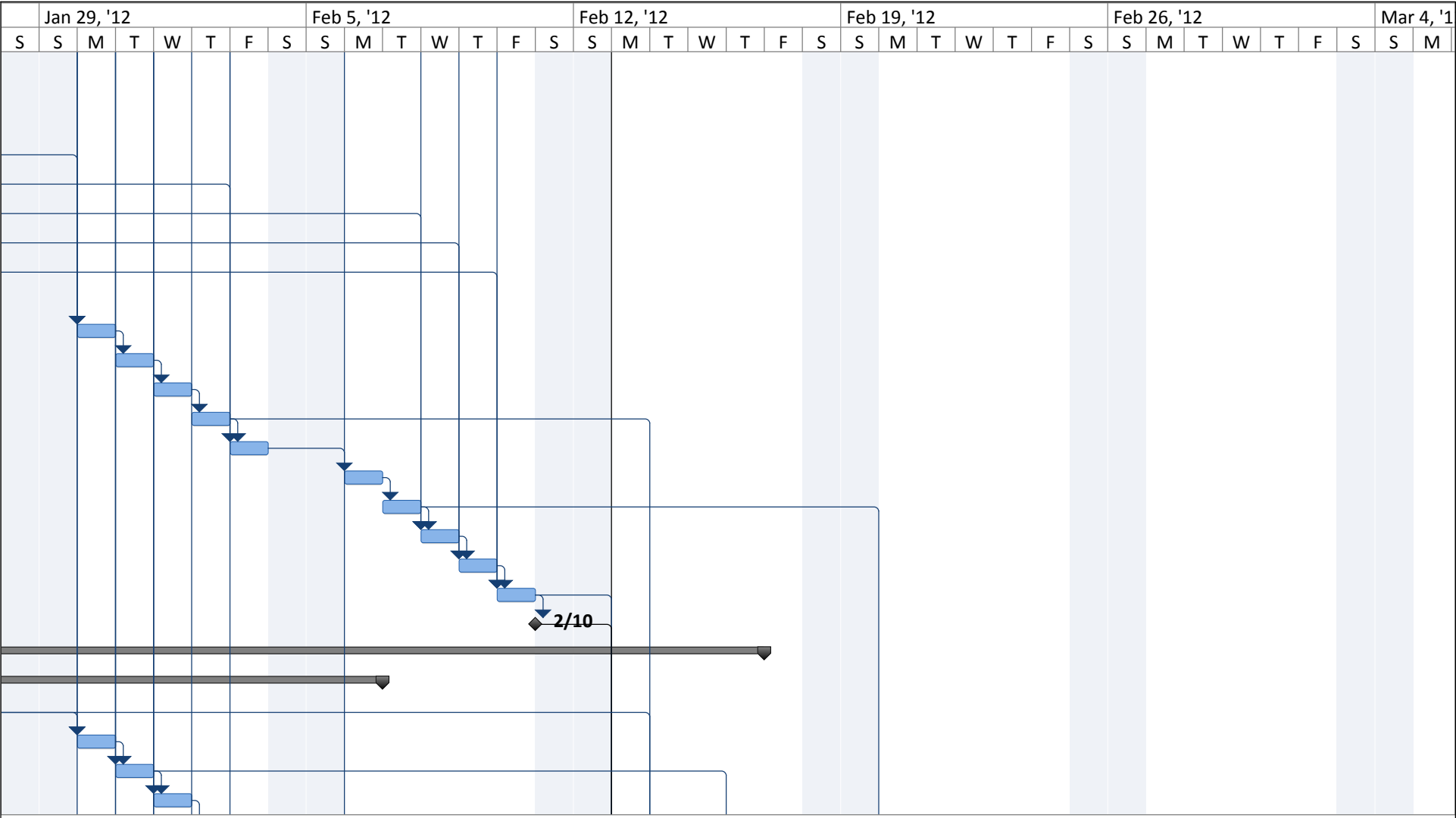
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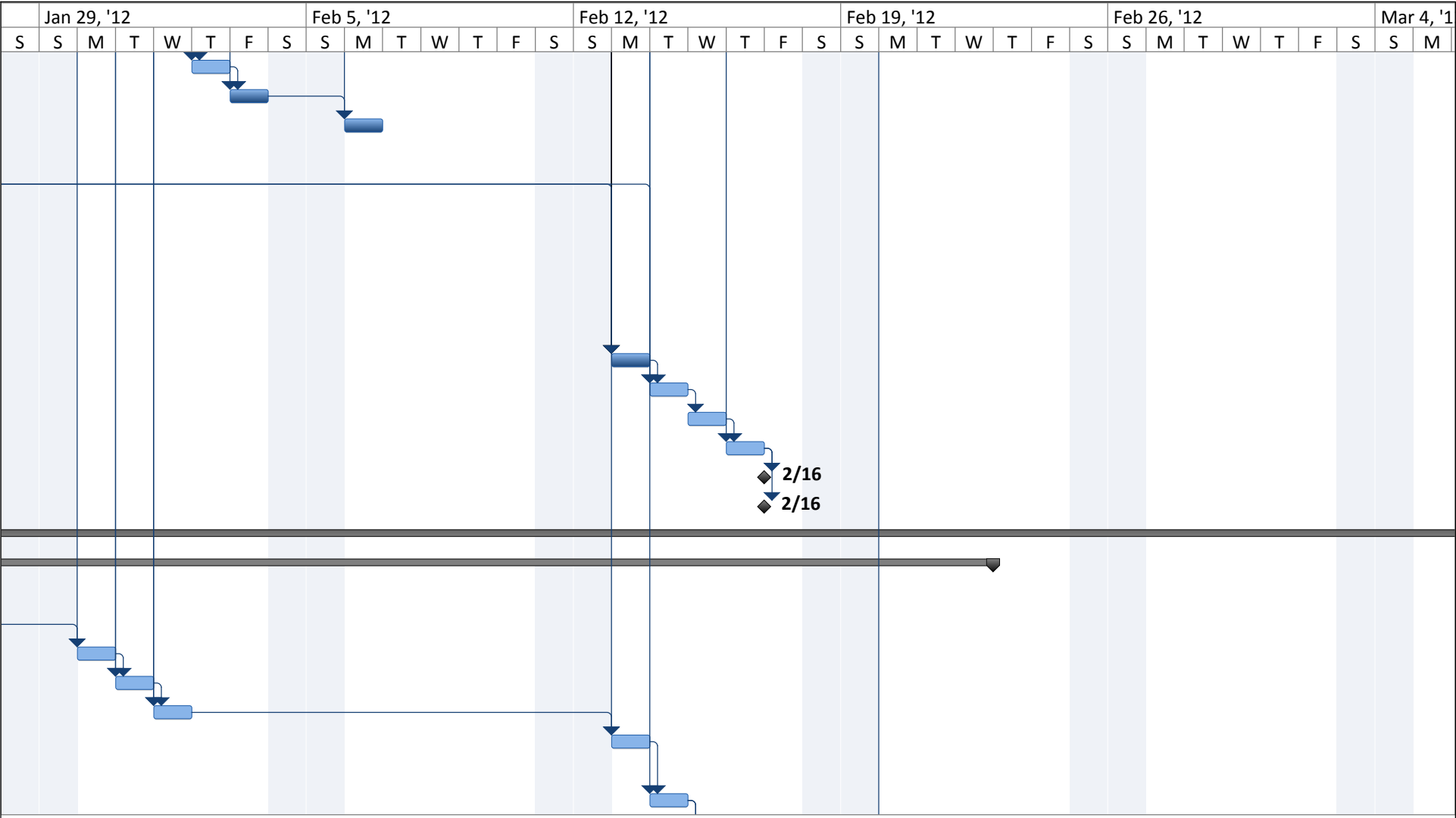
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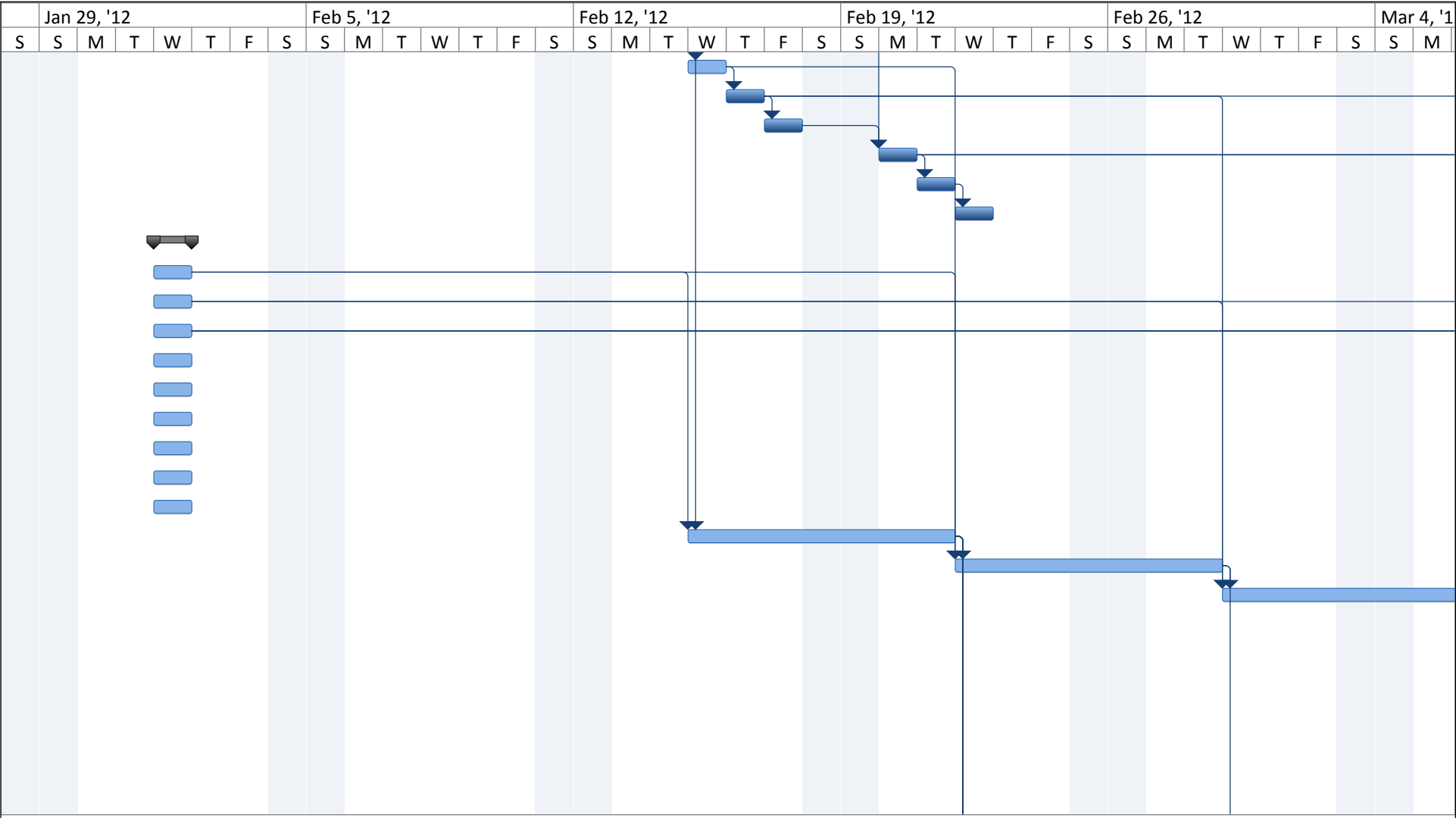
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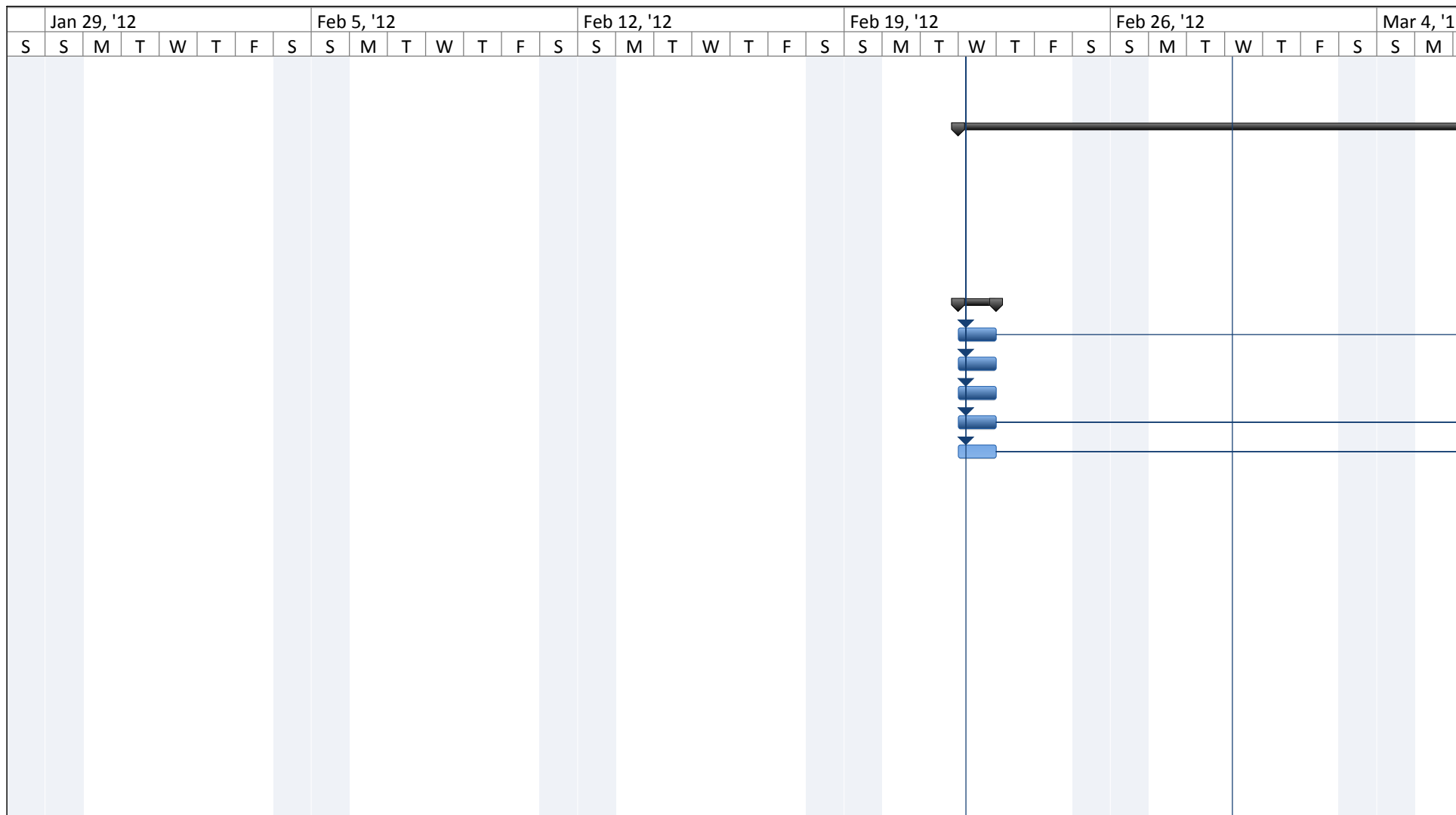
Project: Commissioning FT9 Date: Tue 11/15/11	Task		External Milestone		Manual Summary Rollup	
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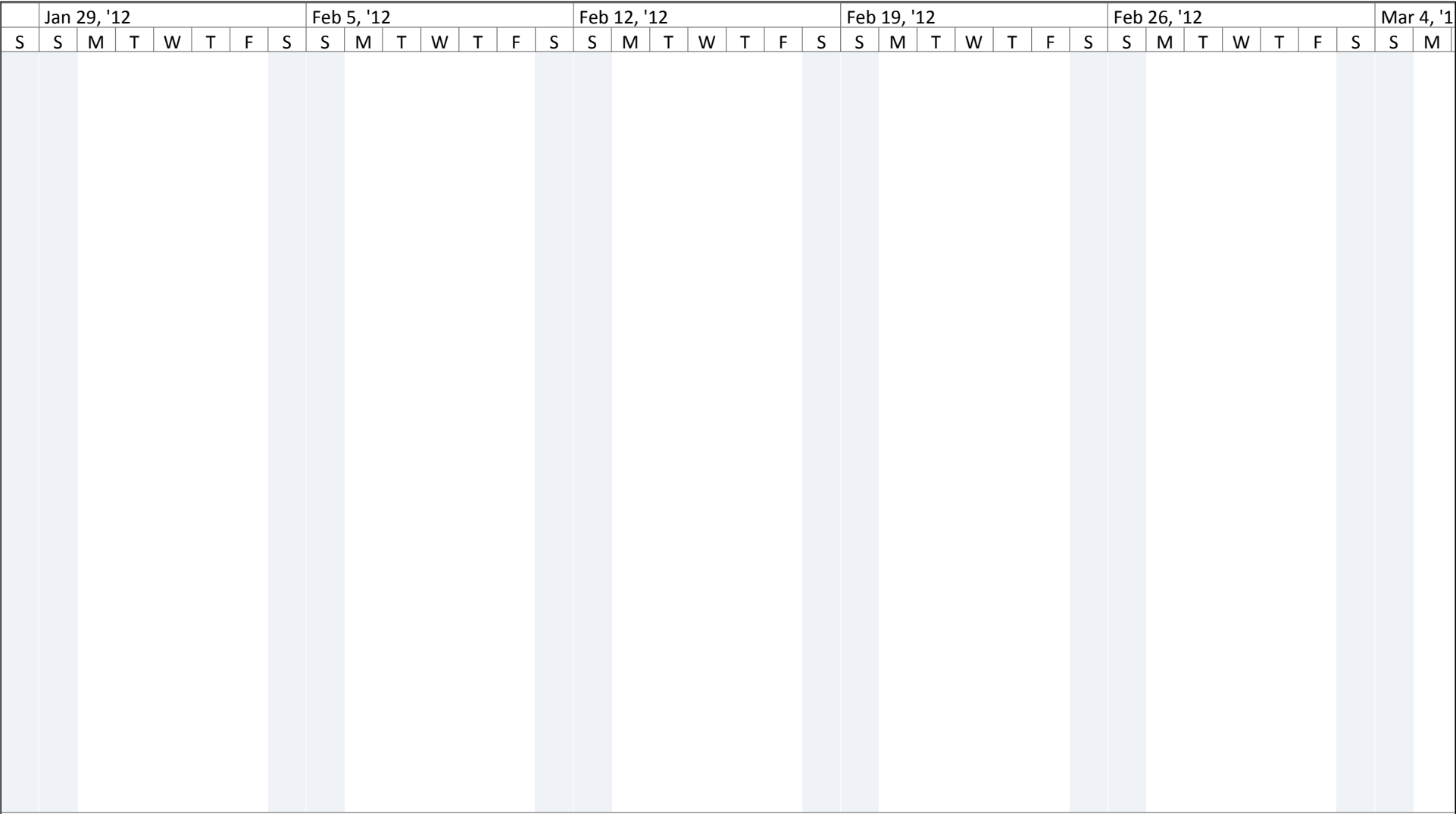


Project: Commissioning FT9 Date: Tue 11/15/11	Task		External Milestone		Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
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	Project Summary		Manual Task		Deadline	
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Project: Commissioning FT9 Date: Tue 11/15/11	Task		External Milestone		Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
	Milestone		Inactive Milestone		Start-only	
	Summary		Inactive Summary		Finish-only	
	Project Summary		Manual Task		Deadline	
	External Tasks		Duration-only		Progress	

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Project: Commissioning FT9 Date: Tue 11/15/11	Task		External Milestone		Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
	Milestone		Inactive Milestone		Start-only	
	Summary		Inactive Summary		Finish-only	
	Project Summary		Manual Task		Deadline	
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Mar 18, '12

Mar 25, '12

Apr 1, '12

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Finish-only

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Progress

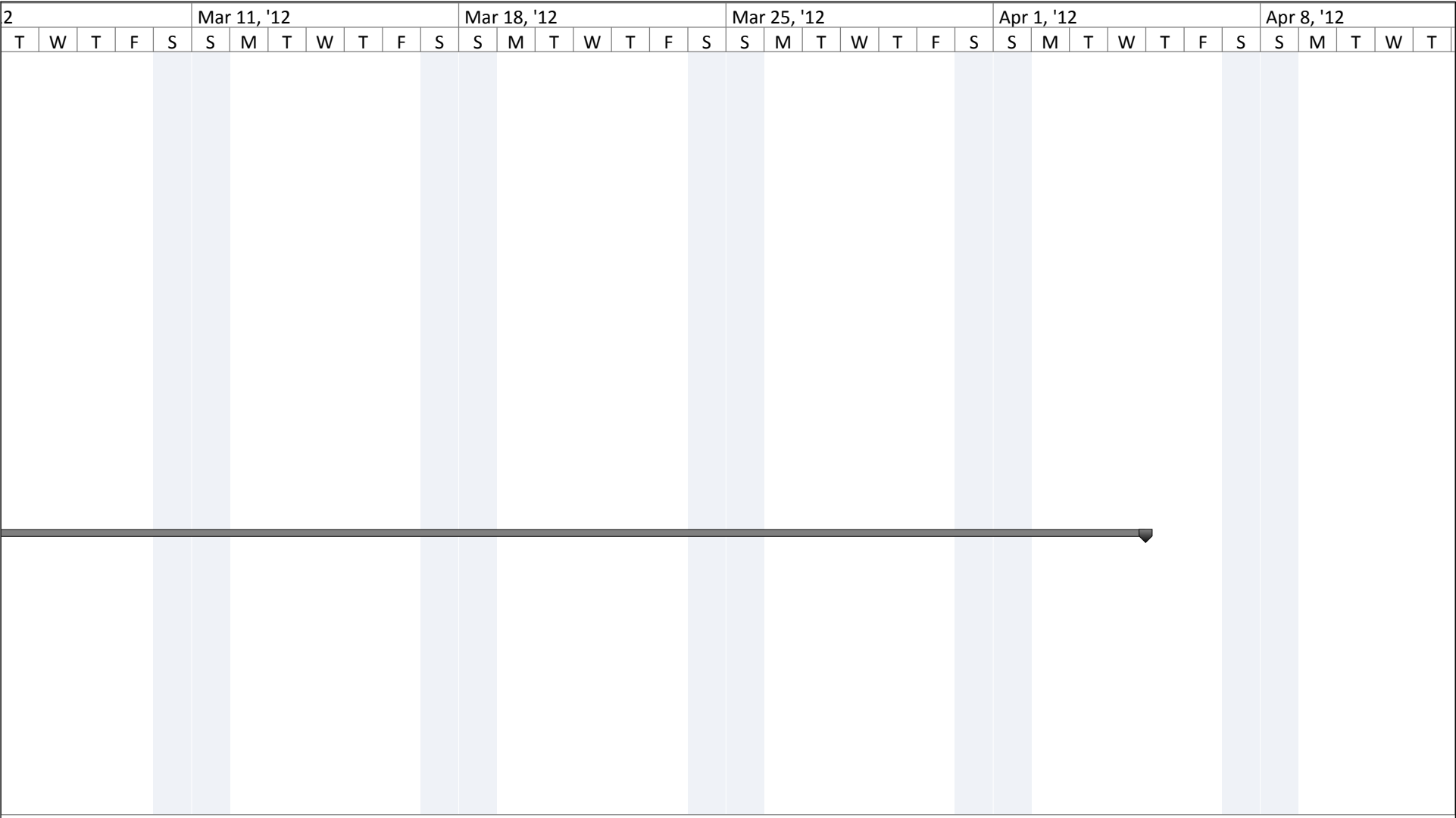
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Project: Commissioning FT9 Date: Tue 11/15/11	Task		External Milestone		Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
	Milestone		Inactive Milestone		Start-only	
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	External Tasks		Duration-only		Progress	

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Project: Commissioning FT9 Date: Tue 11/15/11	Task		External Milestone		Manual Summary Rollup	
	Split		Inactive Task		Manual Summary	
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	Summary		Inactive Summary		Finish-only	
	Project Summary		Manual Task		Deadline	
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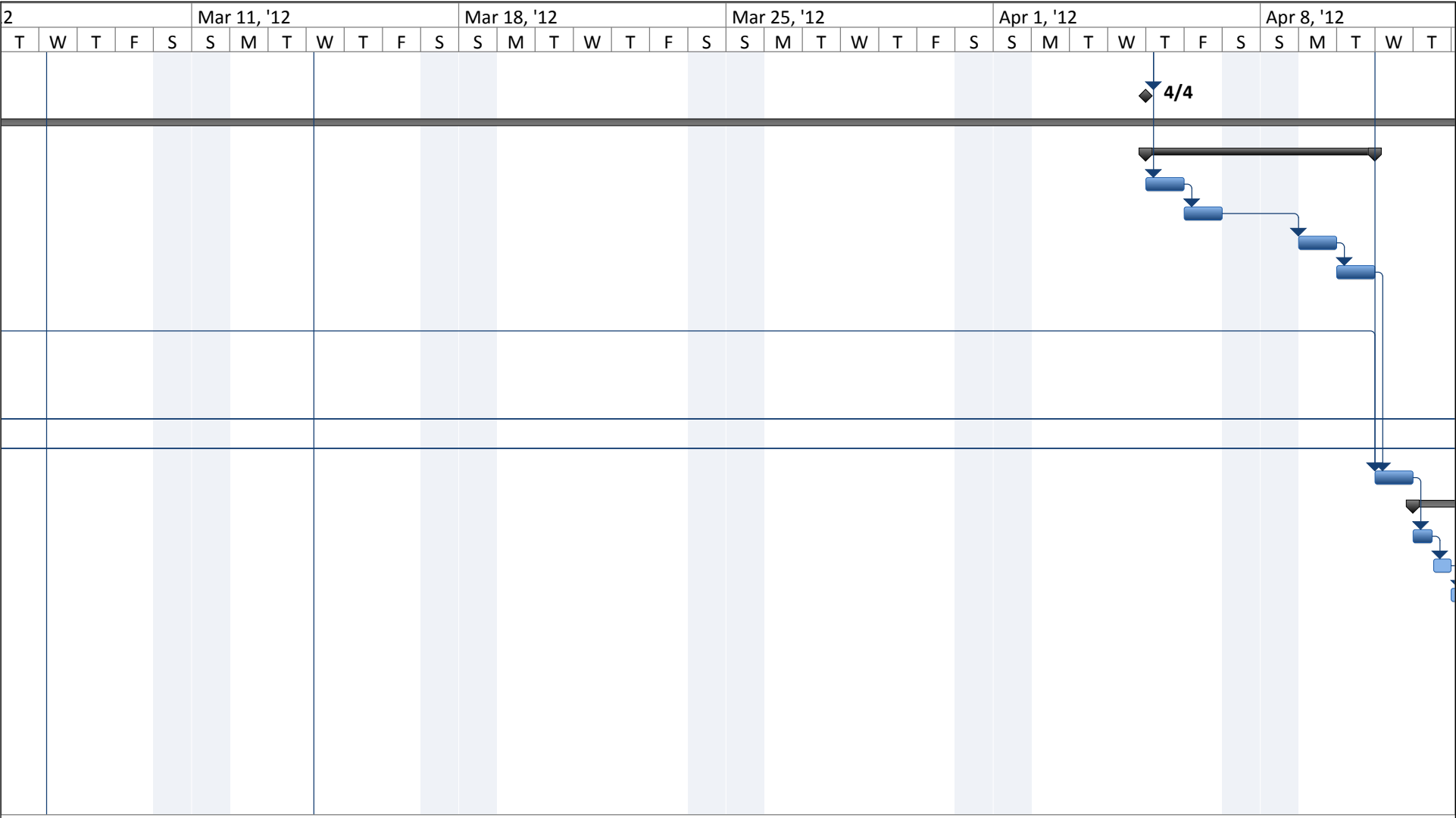
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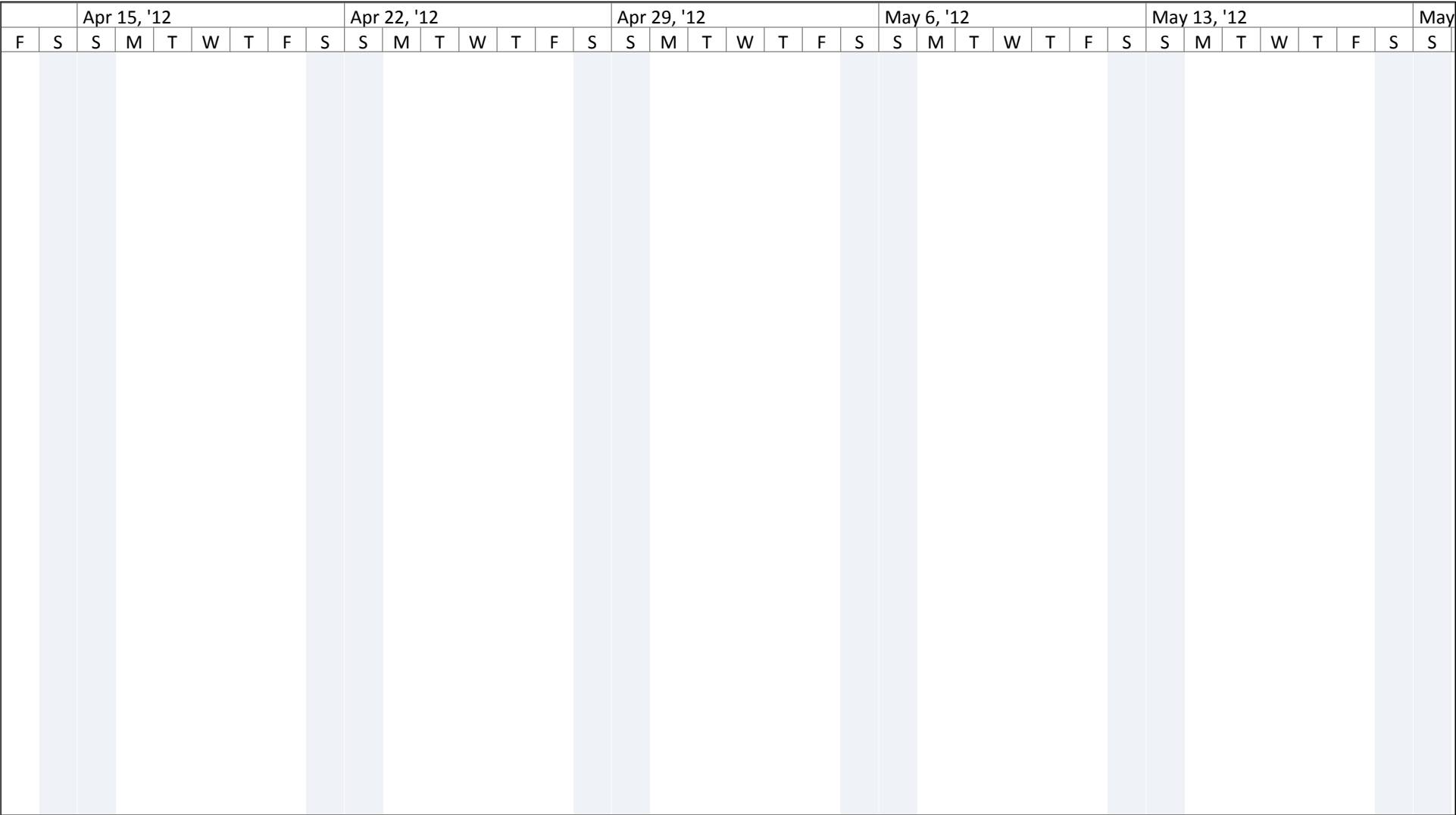
Deadline

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	Milestone		Inactive Milestone		Start-only	
	Summary		Inactive Summary		Finish-only	
	Project Summary		Manual Task		Deadline	
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Project: Commissioning FT9 Date: Tue 11/15/11		Task			External Milestone			Manual Summary Rollup																														
		Split			Inactive Task			Manual Summary																														
		Milestone			Inactive Milestone			Start-only																														
		Summary			Inactive Summary			Finish-only																														
		Project Summary			Manual Task			Deadline																														
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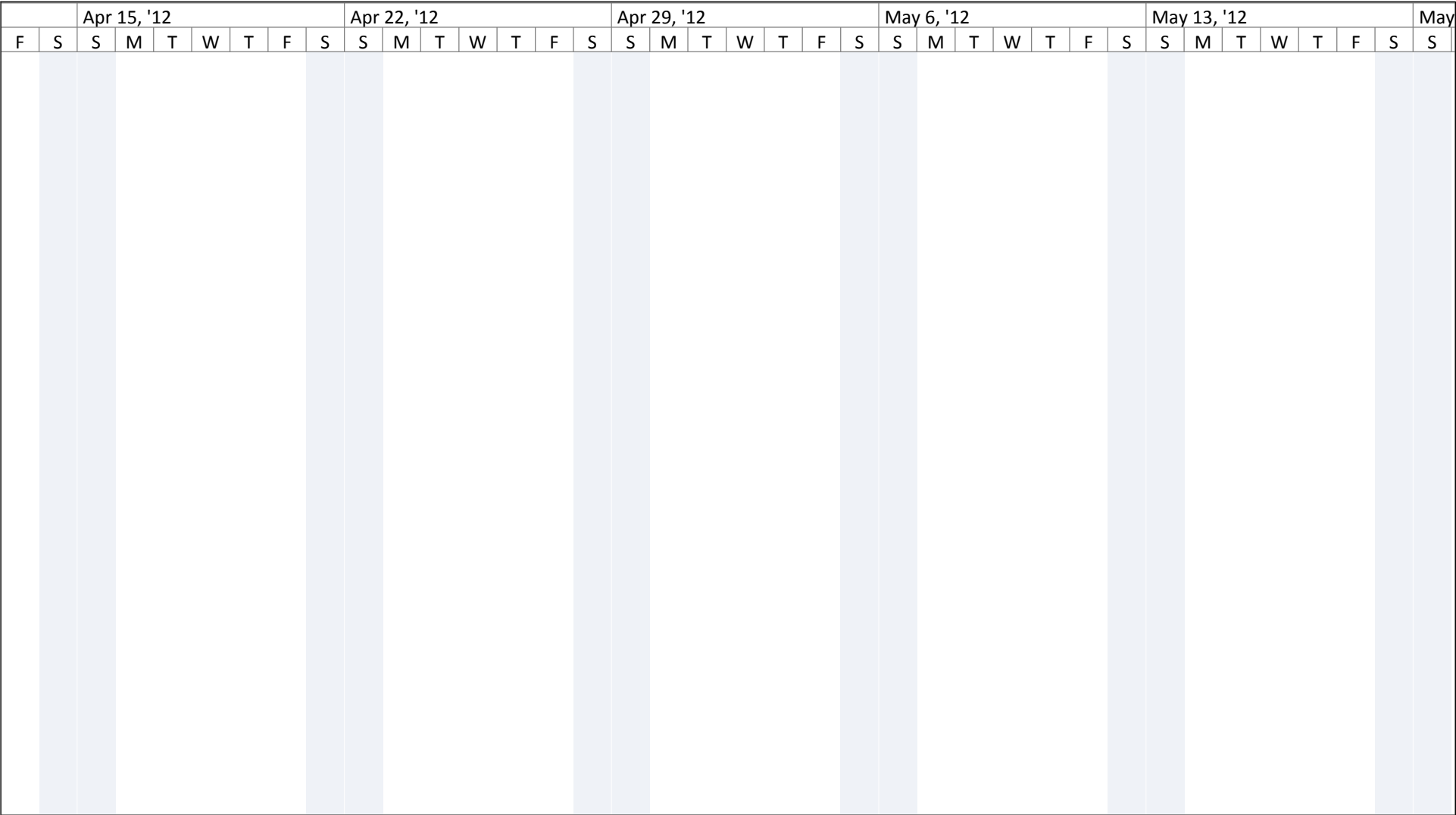
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	Summary		Inactive Summary		Finish-only	
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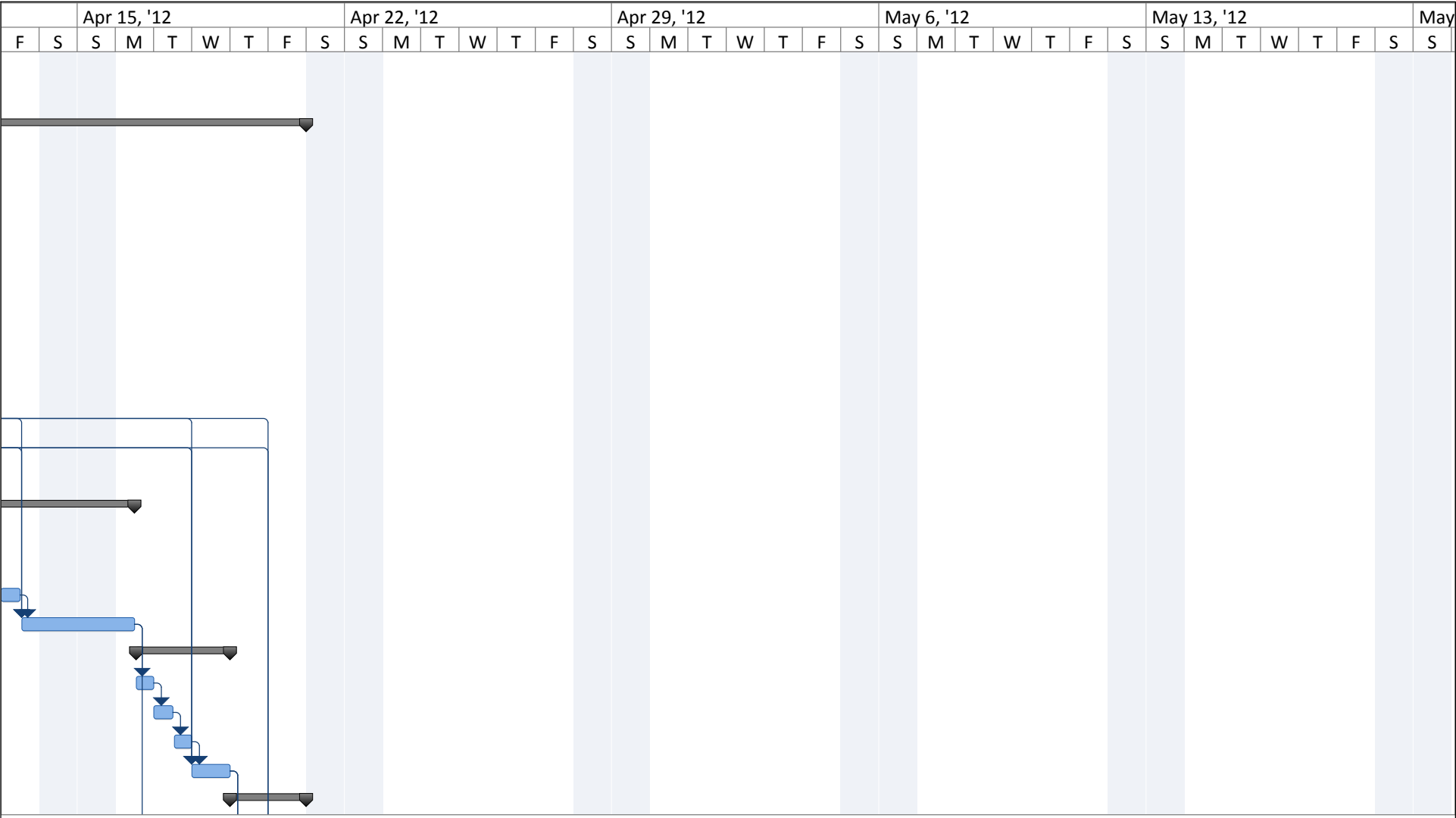
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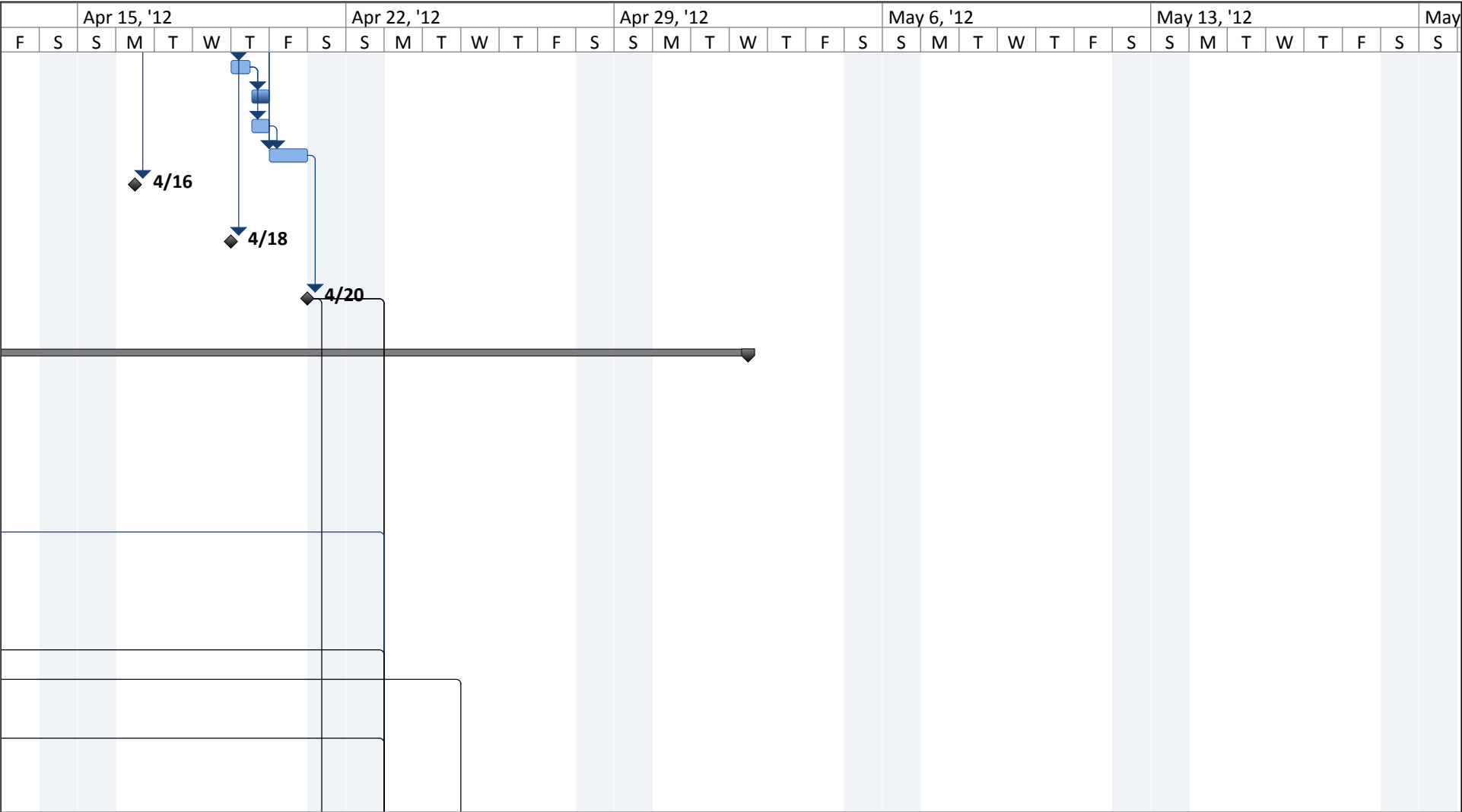
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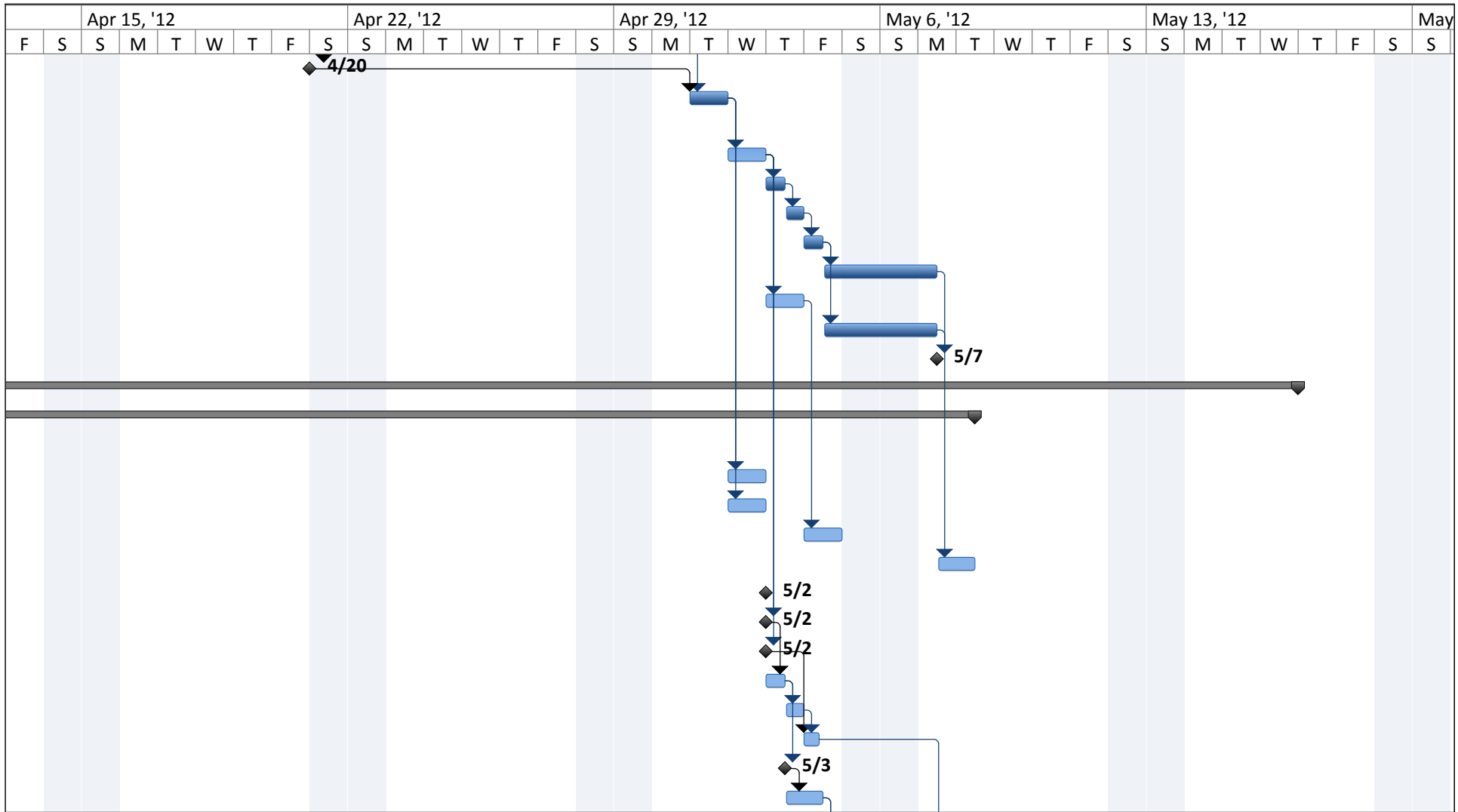
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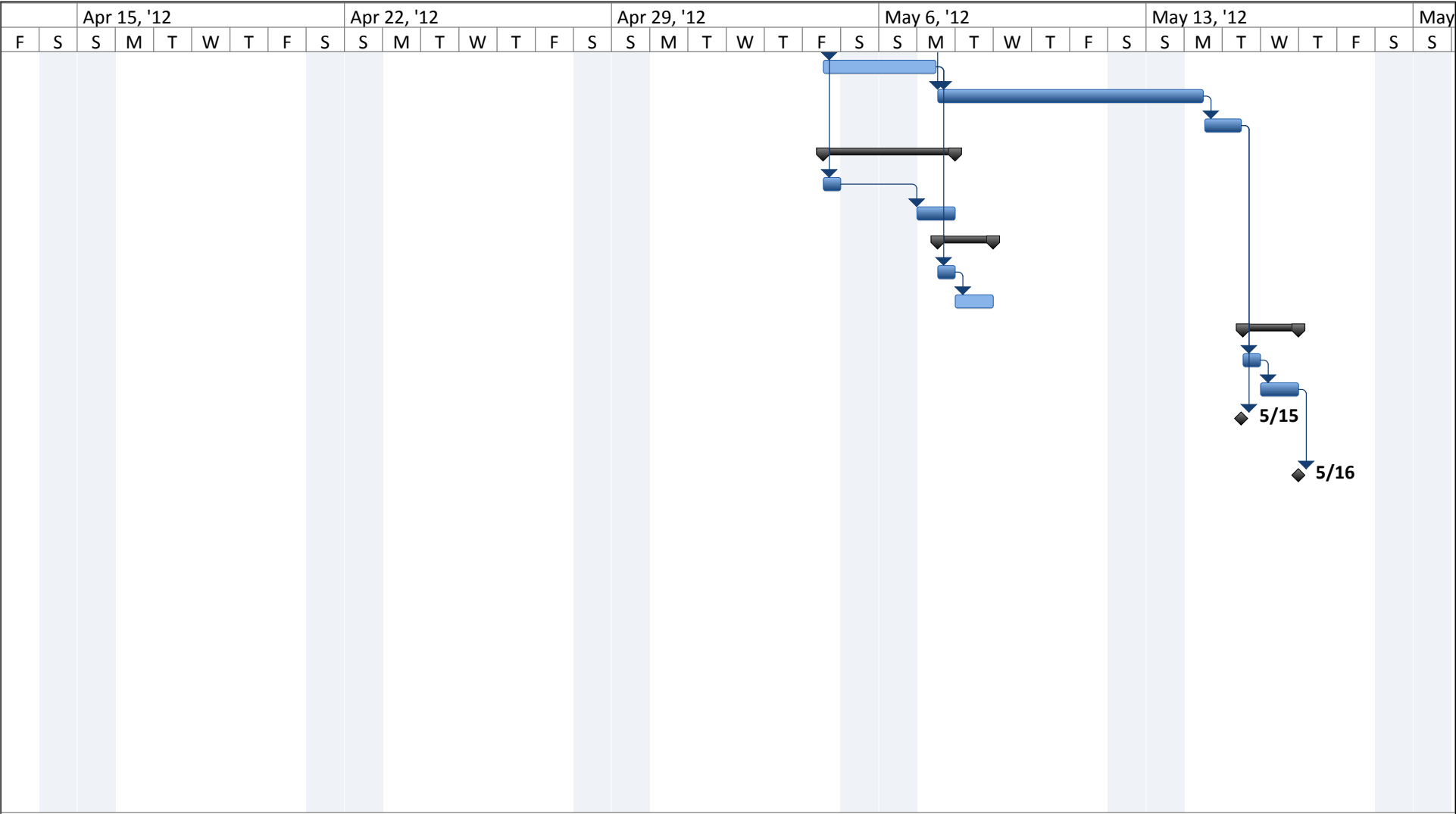
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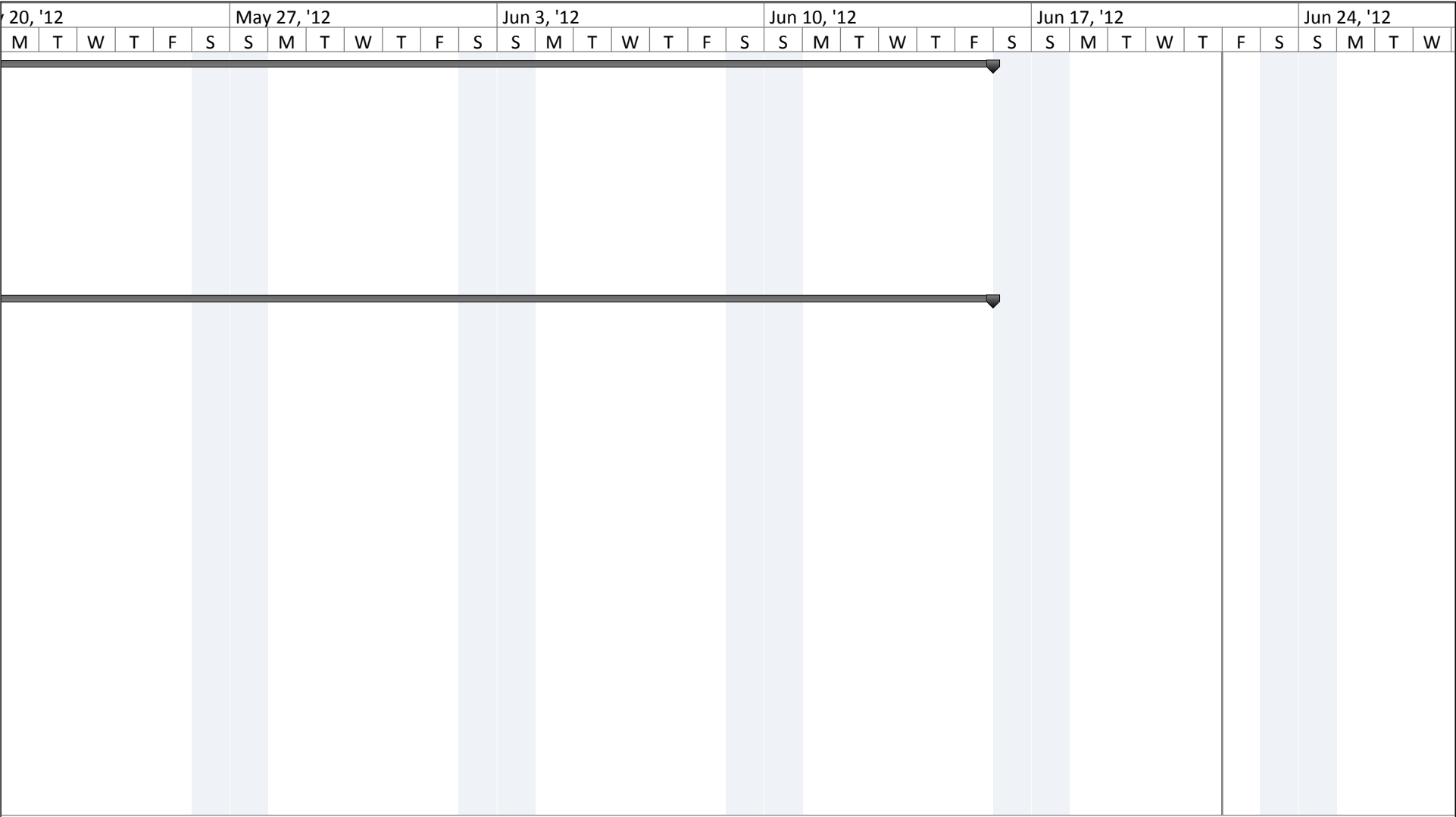
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May 20, '12					May 27, '12					Jun 3, '12					Jun 10, '12					Jun 17, '12					Jun 24, '12						
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Project: Commissioning FT9 Date: Tue 11/15/11	Task		External Milestone		Manual Summary Rollup	
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	Project Summary		Manual Task		Deadline	
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May 20, '12						May 27, '12							Jun 3, '12							Jun 10, '12							Jun 17, '12							Jun 24, '12						
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May 20, '12						May 27, '12							Jun 3, '12							Jun 10, '12							Jun 17, '12							Jun 24, '12						
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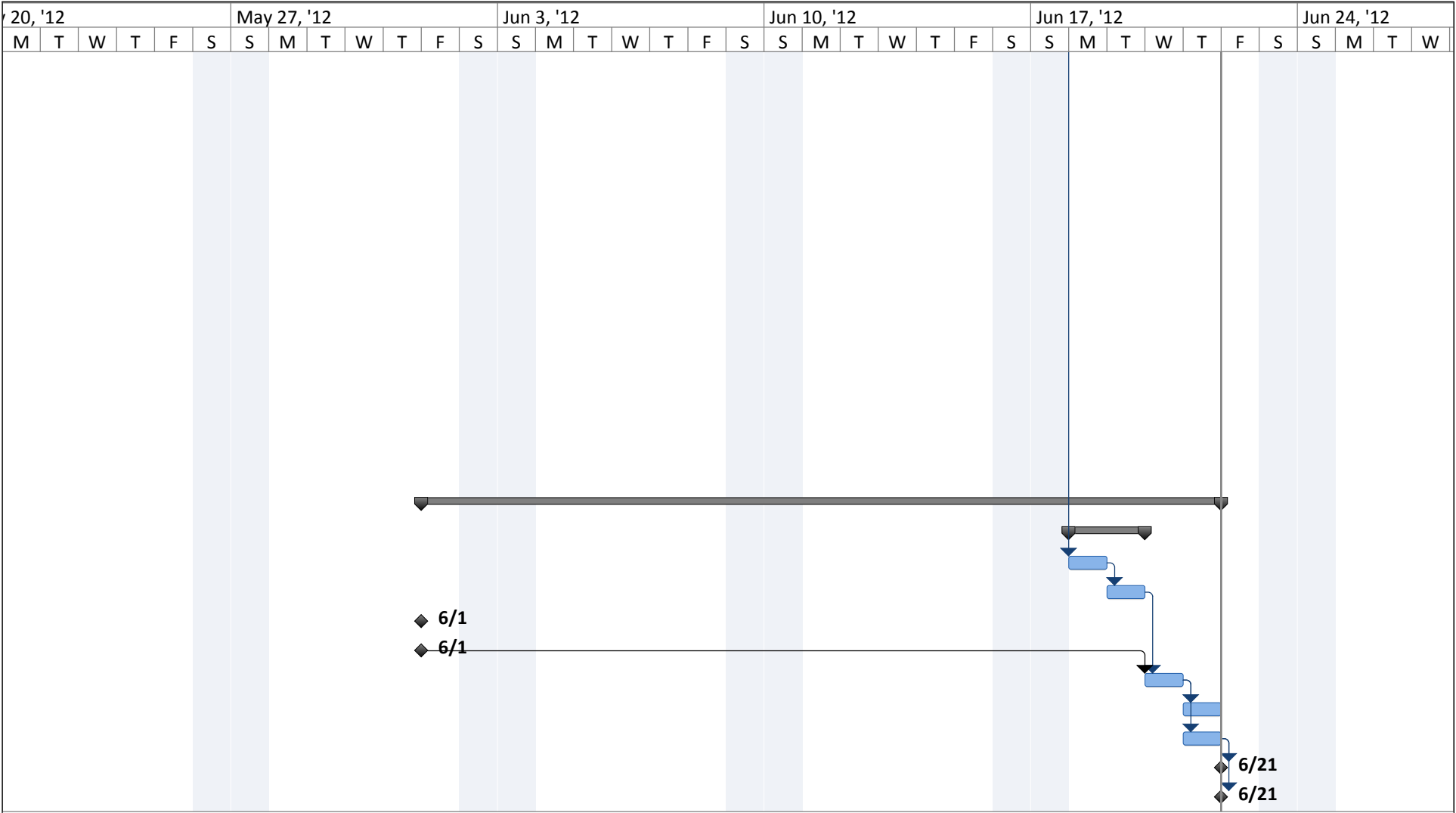
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	External Tasks		Duration-only		Progress	