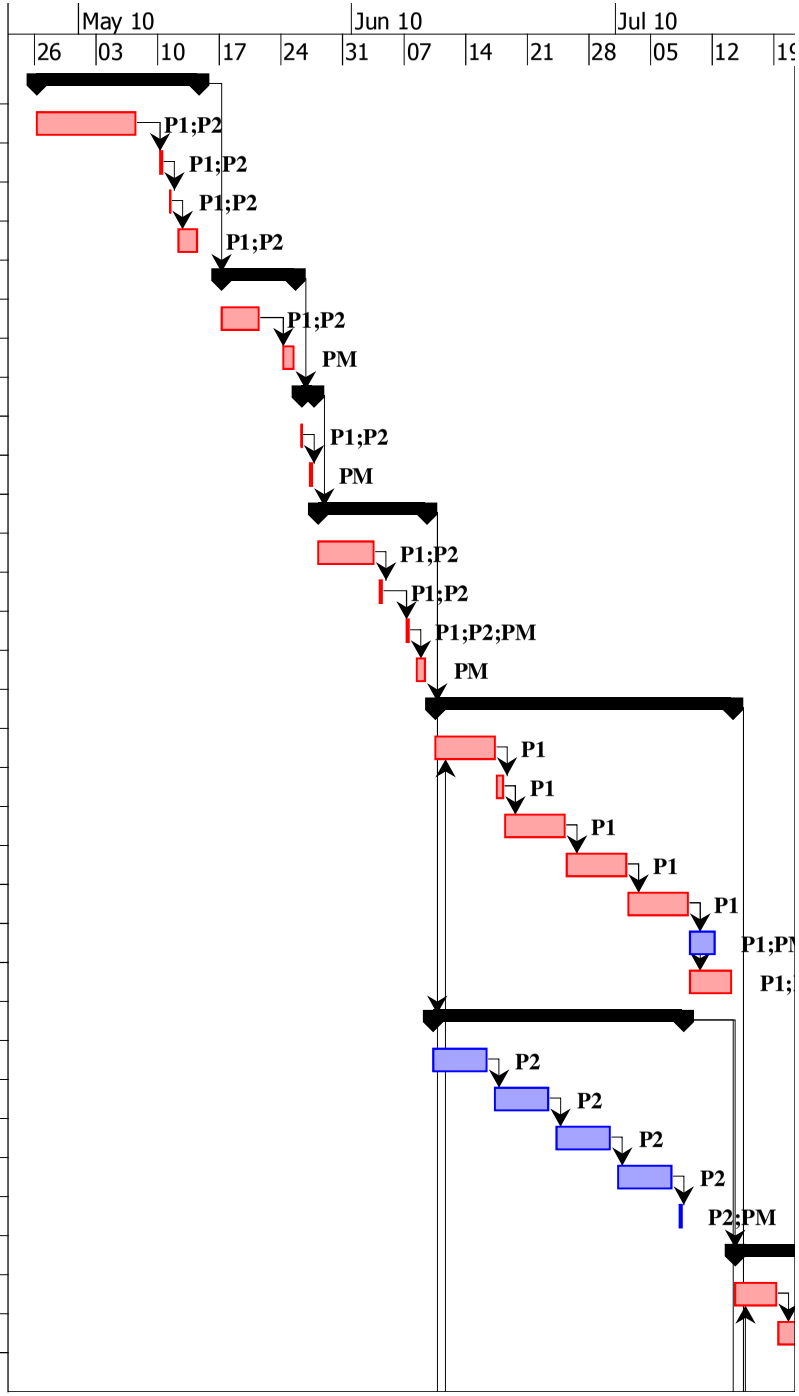
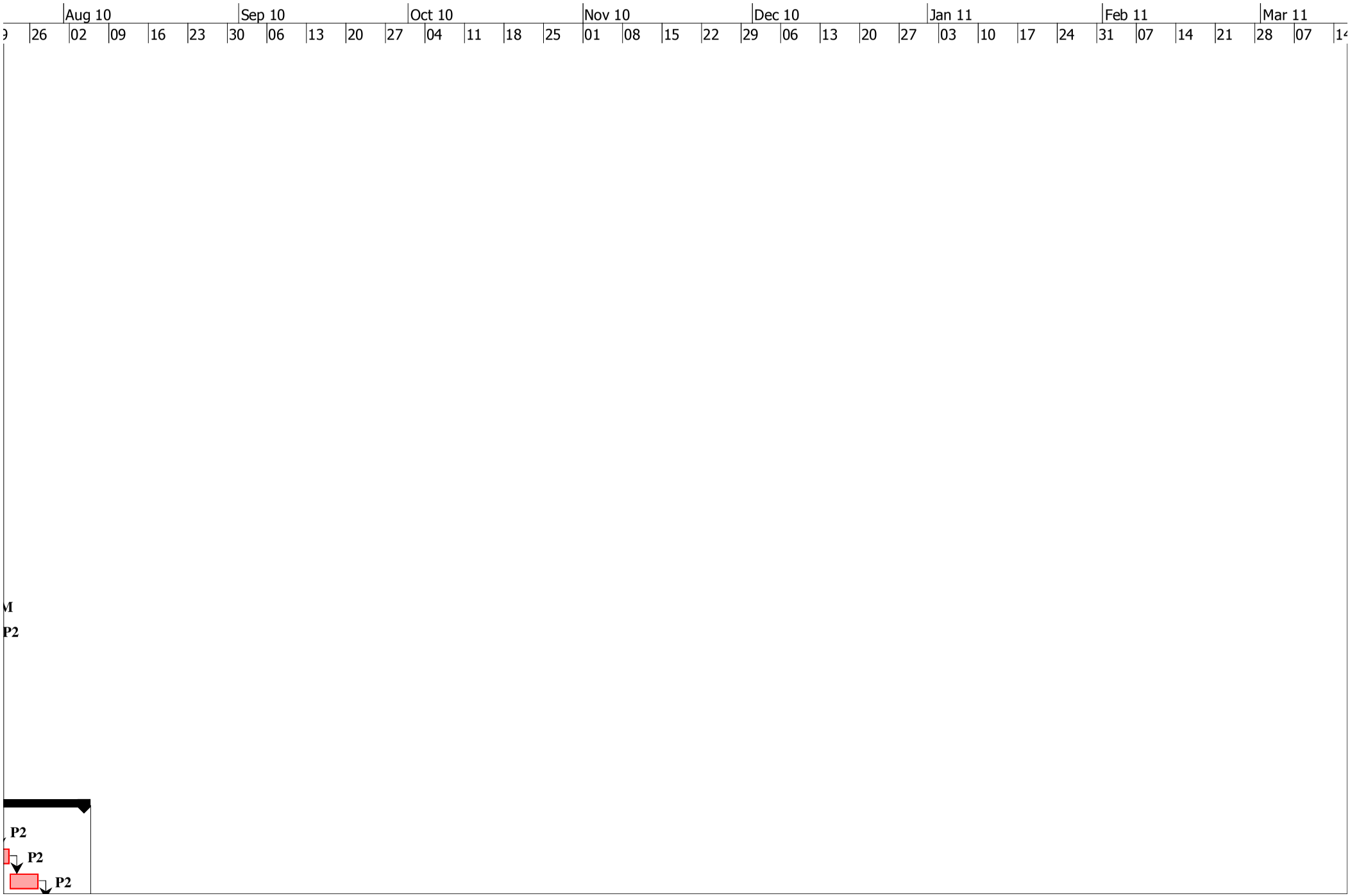
| | | Name | Duration | Start | Finish | Resour... | Prede... |
|---|---|---|---|---|---|---|---|
| 1 | | **Start-up** | **15 days** | **26/04/10 ...** | **14/05/10 ...** | | |
| 2 | | Mantid Familiarisation and Project Team St... | 10 days | 26/04/10 08... | 07/05/10 17... | P1;P2 | |
| 3 | | Start-Up meeting | 1 day | 10/05/10 08... | 10/05/10 17... | P1;P2 | 2 |
| 4 | | Set up Development Environment | 1 day | 11/05/10 08... | 11/05/10 17... | P1;P2 | 3 |
| 5 | | Requirements meetings | 3 days | 12/05/10 08... | 14/05/10 17... | P1;P2 | 4 |
| 6 | | **User Requirements Document** | **7 days** | **17/05/10 ...** | **25/05/10 ...** | | **1** |
| 7 | | Write | 5 days | 17/05/10 08... | 21/05/10 17... | P1;P2 | |
| 8 | | Review and release | 2 days | 24/05/10 08... | 25/05/10 17... | PM | 7 |
| 9 | | **Acceptance Test Plan** | **2 days** | **26/05/10 ...** | **27/05/10 ...** | | **6** |
| 10 | | Write | 1 day | 26/05/10 08... | 26/05/10 17... | P1;P2 | |
| 11 | | Review and release | 1 day | 27/05/10 08... | 27/05/10 17... | PM | 10 |
| 12 | | **Software Requirements Document** | **9 days** | **28/05/10 ...** | **09/06/10 ...** | | **9** |
| 13 | | Write | 5 days | 28/05/10 08... | 03/06/10 17... | P1;P2 | |
| 14 | | Cross Reference | 1 day | 04/06/10 08... | 04/06/10 17... | P1;P2 | 13 |
| 15 | | Internal project review | 1 day | 07/06/10 08... | 07/06/10 17... | P1;P2... | 14 |
| 16 | | Review and release | 2 days | 08/06/10 08... | 09/06/10 17... | PM | 15 |
| 17 | | **Visualization Prototype investigations** | **24 days** | **10/06/10 ...** | **14/07/10 ...** | | **12** |
| 18 | | Prepare sample visualization datasets5 | 5 days | 10/06/10 10... | 17/06/10 10... | P1 | 81 |
| 19 | | Document selection criteria | 1 day | 17/06/10 10... | 18/06/10 10... | P1 | 18 |
| 20 | | Evaluate MayaVi | 5 days | 18/06/10 10... | 25/06/10 10... | P1 | 19 |
| 21 | | Evaluate ParaView | 5 days | 25/06/10 10... | 02/07/10 10... | P1 | 20 |
| 22 | | Evaluate Visit | 5 days | 02/07/10 10... | 09/07/10 10... | P1 | 21 |
| 23 | | Present selection | 1 day | 09/07/10 10... | 12/07/10 10... | P1;PM | 22 |
| 24 | | Server farm test of selected candidate | 3 days | 09/07/10 10... | 14/07/10 10... | P1;P2 | 22 |
| 25 | | **Grid Investigations** | **21 days** | **10/06/10 ...** | **08/07/10 ...** | | **12** |
| 26 | | Investigate Internal server farms | 5 days | 10/06/10 08... | 16/06/10 17... | P2 | |
| 27 | | Investigate Grid/TeraGrid | 5 days | 17/06/10 08... | 23/06/10 17... | P2 | 26 |
| 28 | | Investigate job submission tools | 5 days | 24/06/10 08... | 30/06/10 17... | P2 | 27 |
| 29 | | Deploy sample jobs | 5 days | 01/07/10 08... | 07/07/10 17... | P2 | 28 |
| 30 | | Present findings | 1 day | 08/07/10 08... | 08/07/10 17... | P2;PM | 29 |
| 31 | | **Third party software investigations** | **15 days** | **14/07/10 ...** | **04/08/10 ...** | | **25** |
| 32 | | CASTEP | 3 days | 14/07/10 14... | 19/07/10 14... | P2 | 82 |
| 33 | | McPhase | 3 days | 19/07/10 14... | 22/07/10 14... | P2 | 32 |
| 34 | | GULP | 3 days | 22/07/10 14... | 27/07/10 14... | P2 | 33 |

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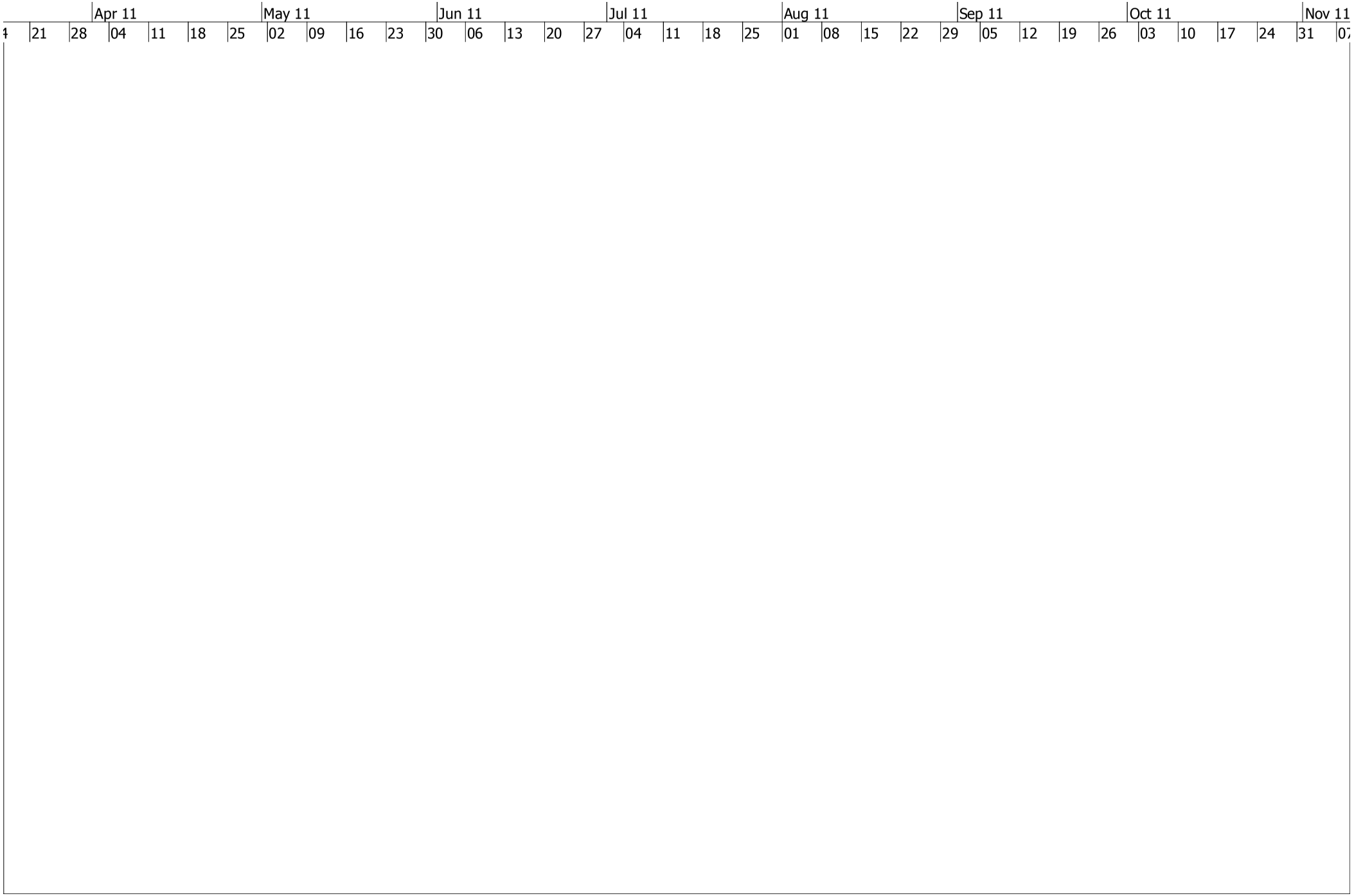
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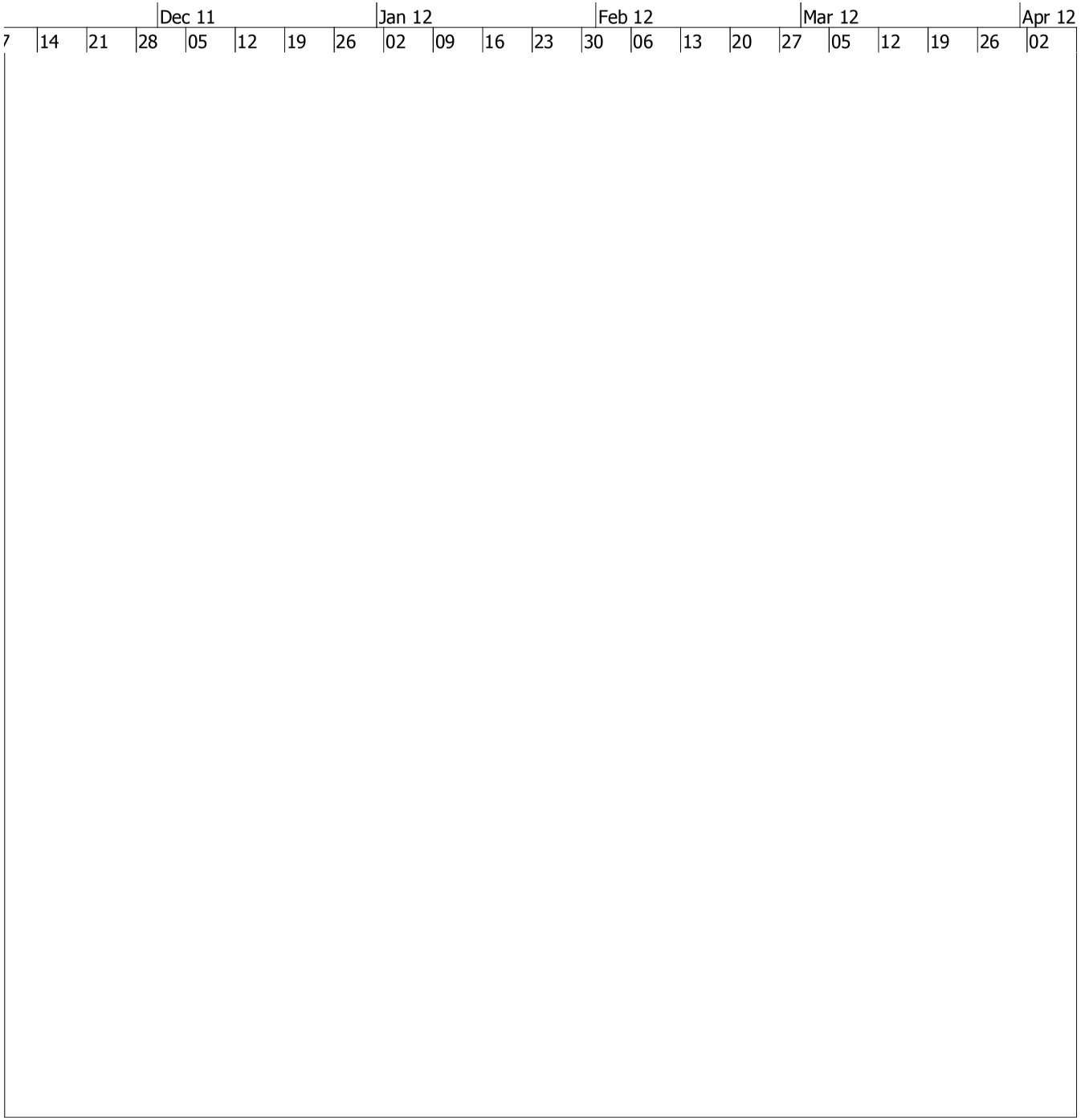
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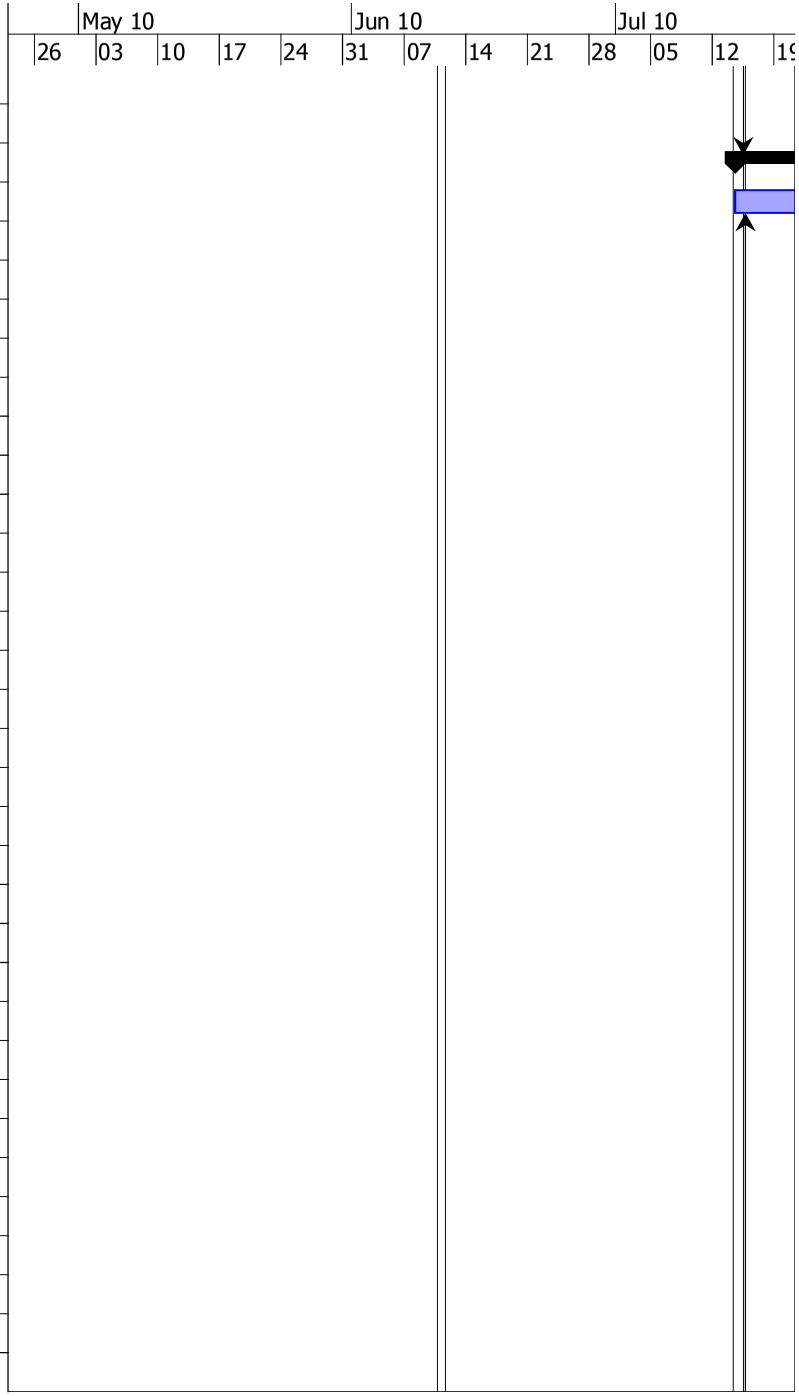
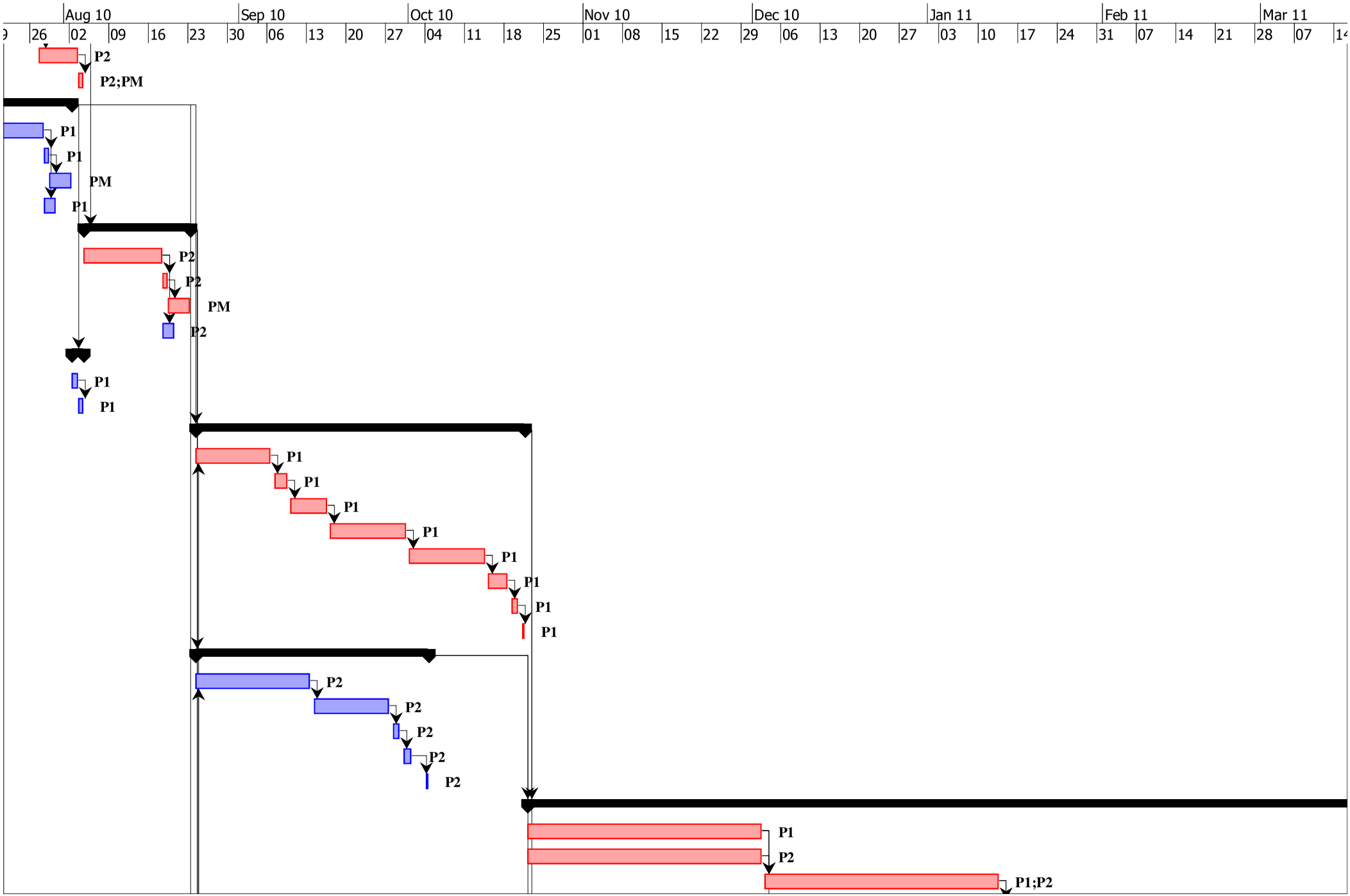
| | | Name | Duration | Start | Finish | Resour... | Prede... |
|---|---|---|---|---|---|---|---|
| 35 | | Generic interface | 5 days | 27/07/10 14... | 03/08/10 14... | P2 | 34 |
| 36 | | Present findings | 1 day | 03/08/10 14... | 04/08/10 14... | P2;PM | 35 |
| 37 | | **Visualization design** | **13 days** | **14/07/10 ...** | **02/08/10 ...** | | **17** |
| 38 | | Write | 10 days | 14/07/10 14... | 28/07/10 14... | P1 | 82 |
| 39 | | Cross reference to SRD | 1 day | 28/07/10 14... | 29/07/10 14... | P1 | 38 |
| 40 | | Review and release | 2 days | 29/07/10 14... | 02/08/10 14... | PM | 39 |
| 41 | | Write System Test Plan | 2 days | 28/07/10 14... | 30/07/10 14... | P1 | 38 |
| 42 | | **Analysis Design** | **13 days** | **04/08/10 ...** | **23/08/10 ...** | | **31** |
| 43 | | Write | 10 days | 04/08/10 14... | 18/08/10 14... | P2 | |
| 44 | | Cross reference to SRD | 1 day | 18/08/10 14... | 19/08/10 14... | P2 | 43 |
| 45 | | Review and release | 2 days | 19/08/10 14... | 23/08/10 14... | PM | 44 |
| 46 | | Write System Test Plan | 2 days | 18/08/10 14... | 20/08/10 14... | P2 | 43 |
| 47 | | **Development & Test setup** | **2 days** | **02/08/10 ...** | **04/08/10 ...** | | **37** |
| 48 | | Setup client test machine | 1 day | 02/08/10 14... | 03/08/10 14... | P1 | |
| 49 | | Setup test server | 1 day | 03/08/10 14... | 04/08/10 14... | P1 | 48 |
| 50 | | **Visualization Prototype** | **43 days** | **24/08/10 ...** | **21/10/10 ...** | | **37** |
| 51 | | Develop data structure | 10 days | 24/08/10 08... | 06/09/10 17... | P1 | 83 |
| 52 | | Develop data conversion script | 3 days | 07/09/10 08... | 09/09/10 17... | P1 | 51 |
| 53 | | Develop required algorithms for prototype | 5 days | 10/09/10 08... | 16/09/10 17... | P1 | 52 |
| 54 | | Develop visualization widget | 10 days | 17/09/10 08... | 30/09/10 17... | P1 | 53 |
| 55 | | Implement slicing | 10 days | 01/10/10 08... | 14/10/10 17... | P1 | 54 |
| 56 | | Run System Tests | 2 days | 15/10/10 08... | 18/10/10 17... | P1 | 55 |
| 57 | | Write up Prototype Findings | 2 days | 19/10/10 08... | 20/10/10 17... | P1 | 56 |
| 58 | | Present Prototype | 1 day | 21/10/10 08... | 21/10/10 17... | P1 | 57 |
| 59 | | **Distributed Analysis Prototype** | **30 days** | **24/08/10 ...** | **04/10/10 ...** | | **42** |
| 60 | | Develop prototype analysis job | 15 days | 24/08/10 08... | 13/09/10 17... | P2 | 83 |
| 61 | | Job submission system | 10 days | 14/09/10 08... | 27/09/10 17... | P2 | 60 |
| 62 | | Run System Tests | 2 days | 28/09/10 08... | 29/09/10 17... | P2 | 61 |
| 63 | | Write up Prototype Findings | 2 days | 30/09/10 08... | 01/10/10 17... | P2 | 62 |
| 64 | | Present Prototype | 1 day | 04/10/10 08... | 04/10/10 17... | P2 | 63 |
| 65 | | **Develop first Release** | **150 days** | **22/10/10 ...** | **19/05/11 ...** | | **50;59** |
| 66 | | Iteration 1 Viualisation refactoring | 30 days | 22/10/10 08... | 02/12/10 17... | P1 | |
| 67 | | Iteration 1 Analysis Refactoring | 30 days | 22/10/10 08... | 02/12/10 17... | P2 | |
| 68 | | Iteration 2 Directed by SSC | 30 days | 03/12/10 08... | 13/01/11 17... | P1;P2 | 66;67 |

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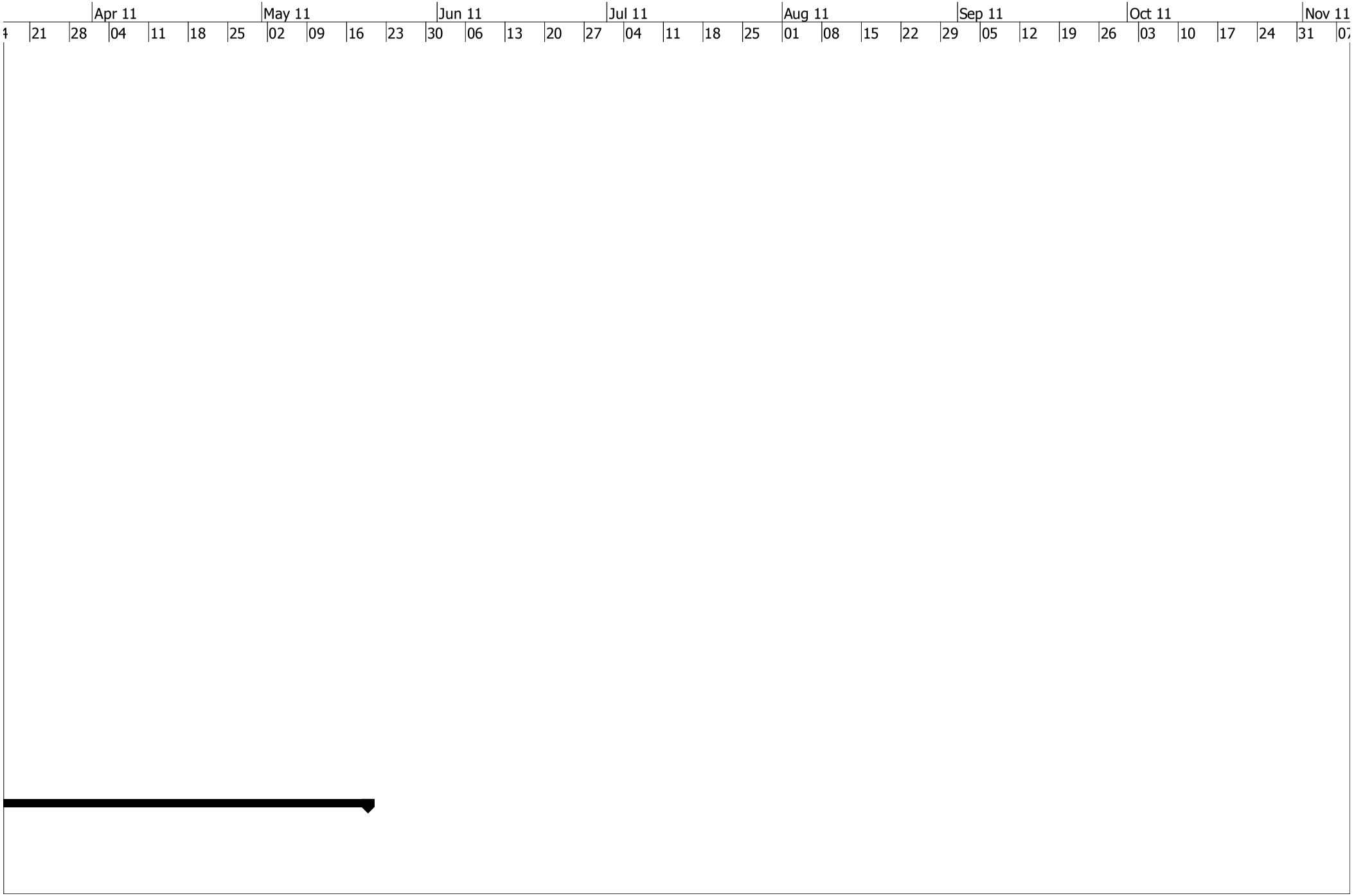
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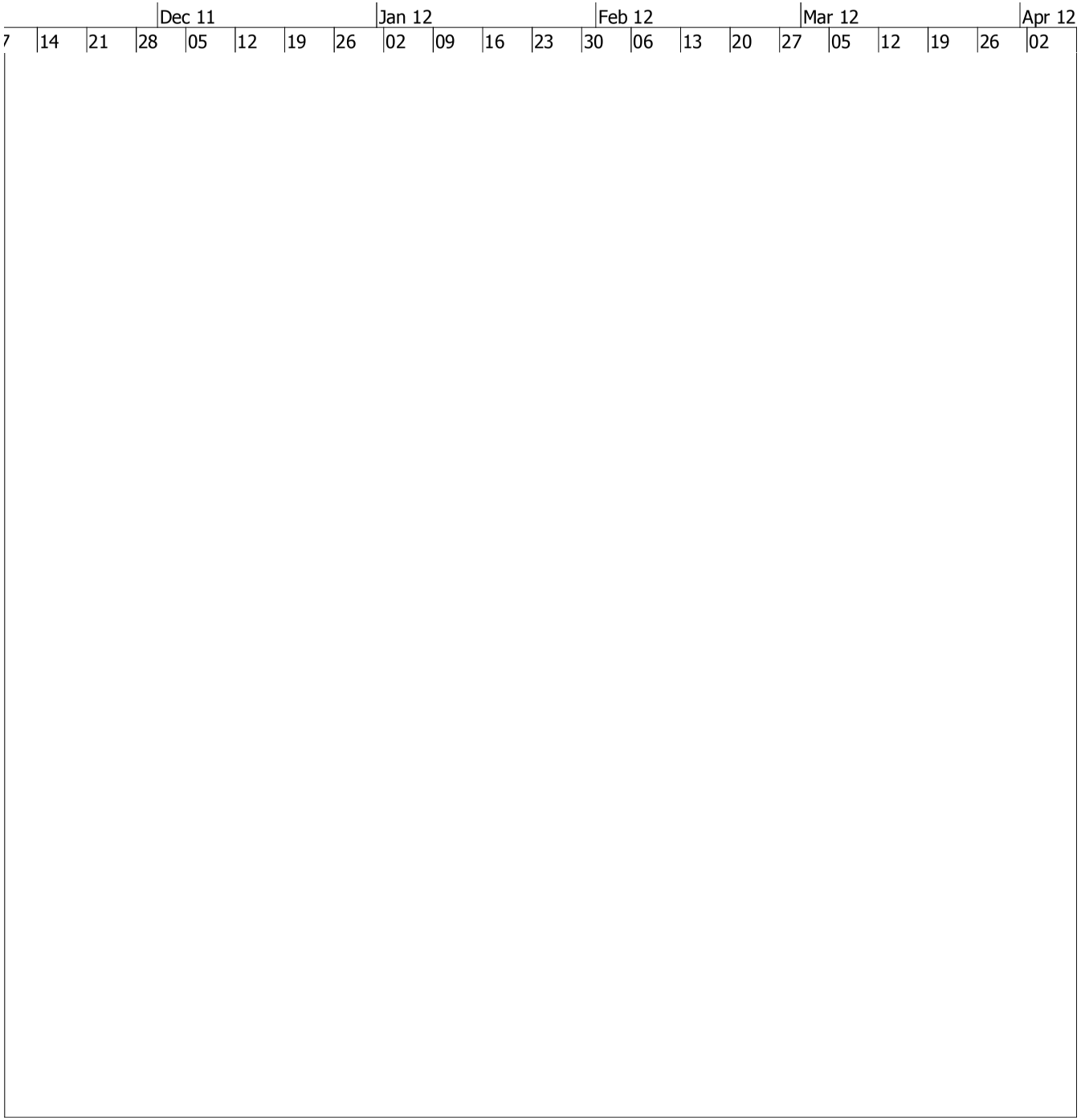
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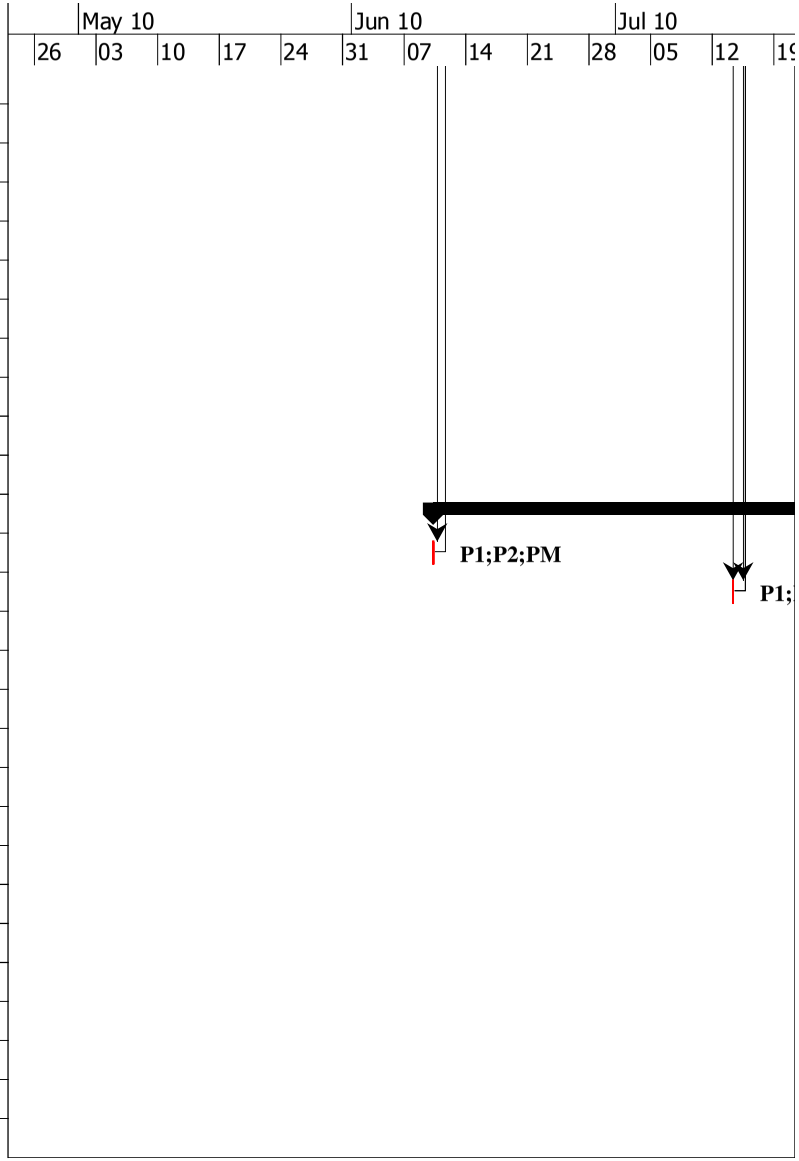
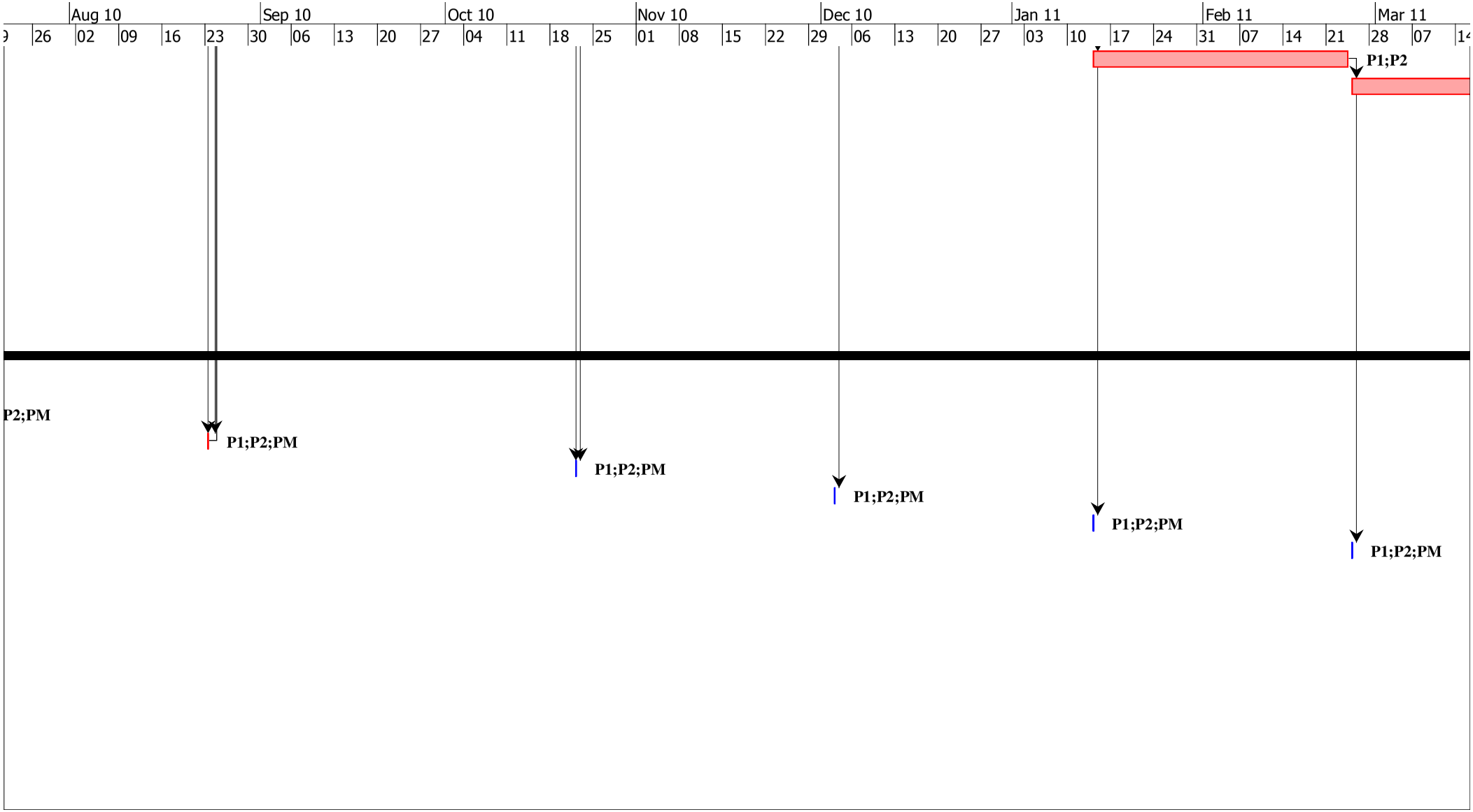
| | | Name | Duration | Start | Finish | Resour... | Prede... |
|---|---|---|---|---|---|---|---|
| 69 | | Iteration 3 Directed by SSC | 30 days | 14/01/11 08... | 24/02/11 17... | P1;P2 | 68 |
| 70 | | Iteration 4 Directed by SSC | 30 days | 25/02/11 08... | 07/04/11 17... | P1;P2 | 69 |
| 71 | | Iteration 5 - Testing, Finalization of releas... | 30 days | 08/04/11 08... | 19/05/11 17... | P1;P2 | 70 |
| 72 | | **Develop second release** | **210 days** | **20/05/11 ...** | **08/03/12 ...** | | **71** |
| 73 | | Iteration 6 Refactoring | 30 days | 20/05/11 08... | 30/06/11 17... | P1;P2 | |
| 74 | | Iteration 7 Directed by SSC | 30 days | 01/07/11 08... | 11/08/11 17... | P1;P2 | 73 |
| 75 | | Iteration 8 Directed by SSC | 30 days | 12/08/11 08... | 22/09/11 17... | P1;P2 | 74 |
| 76 | | Iteration 9 Directed by SSC | 30 days | 23/09/11 08... | 03/11/11 17... | P1;P2 | 75 |
| 77 | | Iteration 10 Directed by SSC | 30 days | 04/11/11 08... | 15/12/11 17... | P1;P2 | 76 |
| 78 | | Iteration 11 Directed by SSC | 30 days | 16/12/11 08... | 26/01/12 17... | P1;P2 | 77 |
| 79 | | Iteration 12 Testing, Finalization of releas... | 30 days | 27/01/12 08... | 08/03/12 17... | P1;P2 | 78 |
| 80 | | **Scientific Steering Committee Meetings** | **456.333 da...** | **10/06/10 ...** | **09/03/12 ...** | | |
| 81 | | Teleconference Meeting 1 | 0.333 days? | 10/06/10 08... | 10/06/10 10... | P1;P2... | 12 |
| 82 | | Onsite meeting 2 | 0.333 days? | 14/07/10 10... | 14/07/10 14... | P1;P2... | 17;25 |
| 83 | | Teleconference Meeting 3 | 0.333 days? | 23/08/10 14... | 23/08/10 17... | P1;P2... | 37;42 |
| 84 | | Onsite meeting 4 | 0.333 days? | 22/10/10 08... | 22/10/10 10... | P1;P2... | 50;59 |
| 85 | | Teleconference Meeting 5 | 0.333 days? | 03/12/10 08... | 03/12/10 10... | P1;P2... | 66 |
| 86 | | Onsite meeting 6 | 0.333 days? | 14/01/11 08... | 14/01/11 10... | P1;P2... | 68 |
| 87 | | Teleconference Meeting 7 | 0.333 days? | 25/02/11 08... | 25/02/11 10... | P1;P2... | 69 |
| 88 | | Onsite meeting 8 | 0.333 days? | 08/04/11 08... | 08/04/11 10... | P1;P2... | 70 |
| 89 | | Teleconference Meeting 9 | 0.333 days? | 20/05/11 08... | 20/05/11 10... | P1;P2... | 71 |
| 90 | | Onsite meeting 10 | 0.333 days? | 01/07/11 08... | 01/07/11 10... | P1;P2... | 73 |
| 91 | | Teleconference Meeting 11 | 0.333 days? | 12/08/11 08... | 12/08/11 10... | P1;P2... | 74 |
| 92 | | Onsite meeting 12 | 0.333 days? | 23/09/11 08... | 23/09/11 10... | P1;P2... | 75 |
| 93 | | Teleconference Meeting 13 | 0.333 days? | 04/11/11 08... | 04/11/11 10... | P1;P2... | 76 |
| 94 | | Onsite meeting 14 | 0.333 days? | 16/12/11 08... | 16/12/11 10... | P1;P2... | 77 |
| 95 | | Teleconference Meeting 15 | 0.333 days? | 27/01/12 08... | 27/01/12 10... | P1;P2... | 78 |
| 96 | | Onsite meeting 17 | 0.333 days? | 09/03/12 08... | 09/03/12 10... | P1;P2... | 79 |

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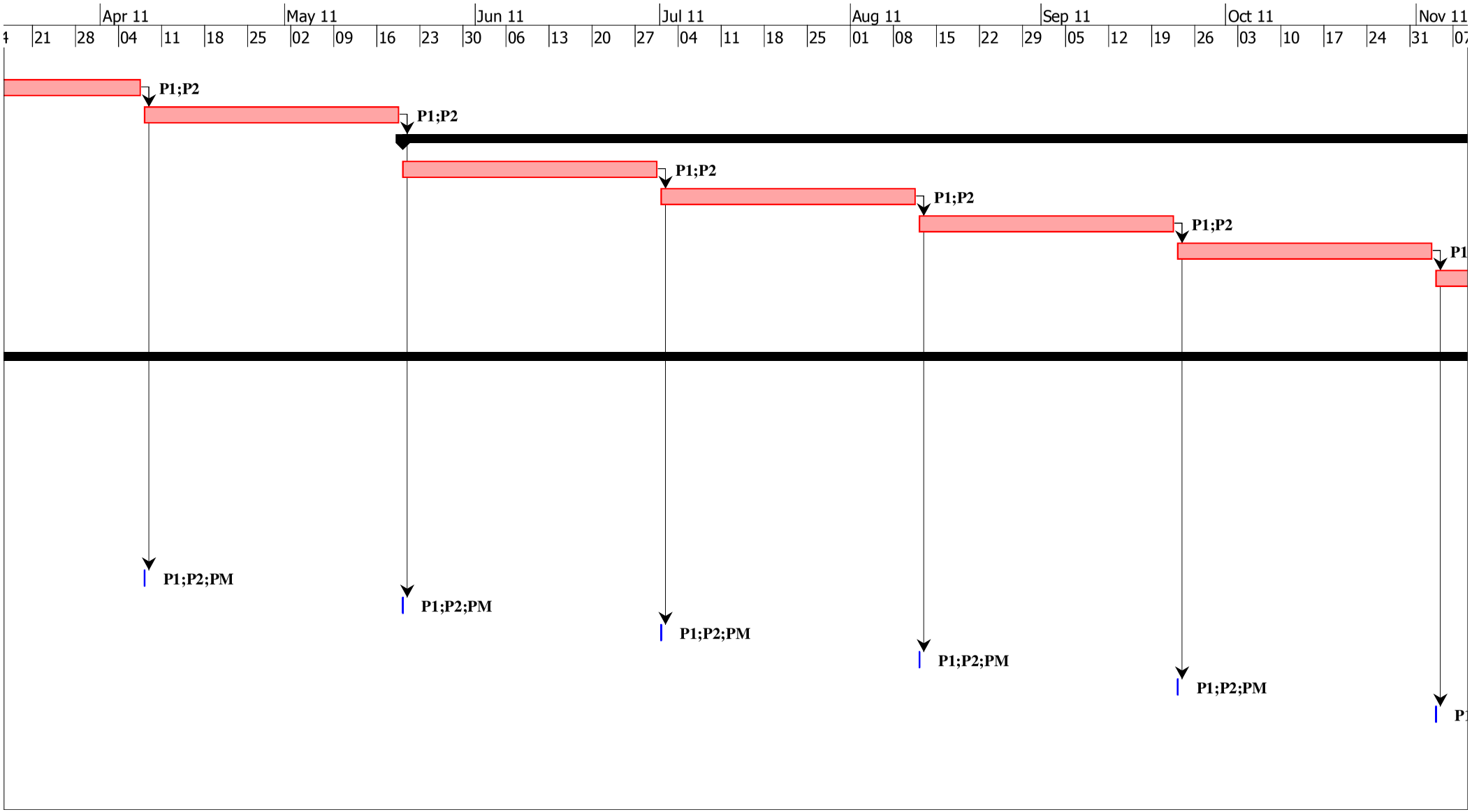
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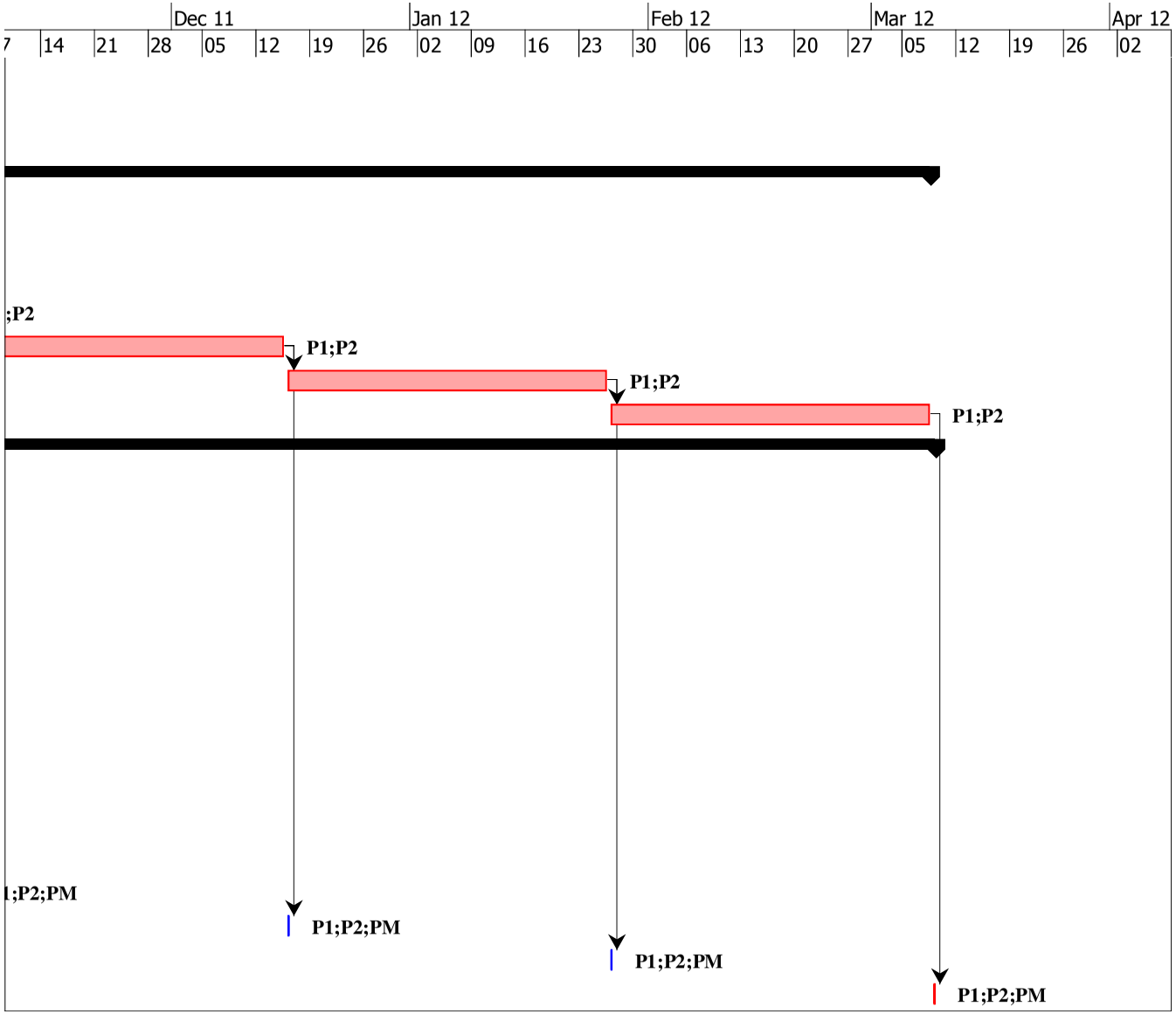
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