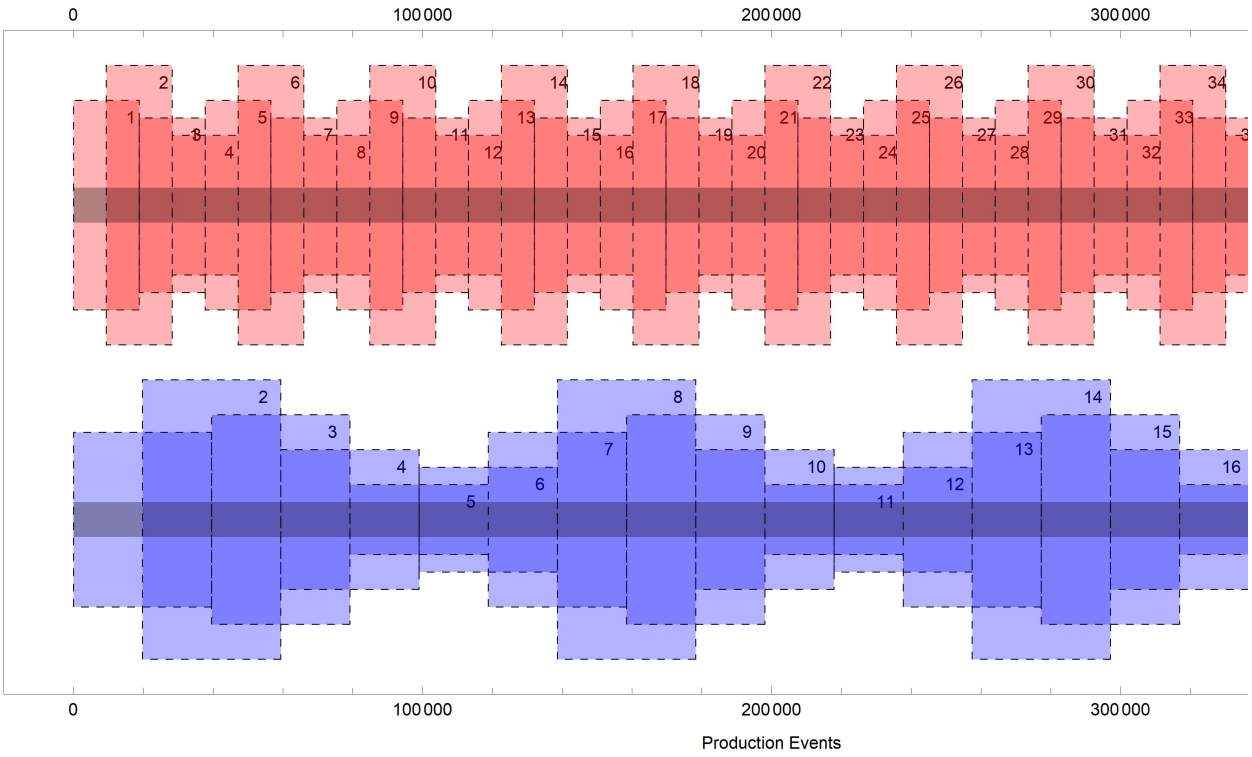
```
In[•]:= dif = 90000;
x1 = 39610;
set1 = {39610, 79220, 118830, 158440, 198050, 237660, 277270, 316880, 356490, 396096};
comp = Table[{{{Opacity@1, Text[xa, {x[[1, 2]] - x1 / 8, 95000}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[1, 1]], 20000}, {x[[1, 2]], 100000}]}},
     {{Opacity@1, Text[xb, {x[[2, 2]] - x1 / 8, 85000}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[2, 1]], 30000}, {x[[2, 2]], 90000}]}},
     {{Opacity@1, Text[xc, {x[[3, 2]] - x1 / 8, 75000}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[3, 1]], 40000}, {x[[3, 2]], 80000}]}},
     {{Opacity@1, Text[xd, {x[[4, 2]] - x1 / 8, 65000}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[4, 1]], 50000}, {x[[4, 2]], 70000}]}},
     {{Opacity@1, Text[xe, {x[[5, 2]] - x1 / 8, 70000}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[5, 1]], 45000}, {x[[5, 2]], 75000}]}},
     {{Opacity@1, Text[xf, {x[[6, 2]] - x1 / 8, 80000}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[6, 1]], 35000}, {x[[6, 2]], 85000}]}}},
    {x, Partition[Flatten[Table[{{z[[1]] - x1 / 2, z[[2]] - x1 / 2}, {z[[1]], z[[2]]}}, {z,
         Partition[set1, 2, 1]}], 1], 6]}];
x2 = 18862;
set2 = {18862, 37724, 56586, 75448, 94310,
   113172, 132034, 150896, 169758, 188620, 207482, 226344, 245206,
   264068, 282930, 301792, 320654, 339516, 358378, 377240, 396096};
comp2 = Table[{{{Opacity@1, Text[xaa, {x[[1, 2]] - x2 / 8, 95000 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[1, 1]], 20000 + dif}, {x[[1, 2]], 100000 + dif}]}},
     {{Opacity@1, Text[xbb, {x[[2, 2]] - x2 / 8, 80000 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[2, 1]], 35000 + dif}, {x[[2, 2]], 85000 + dif}]}},
     {{Opacity@1, Text[xcc, {x[[3, 2]] - x2 / 8, 75000 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[3, 1]], 40000 + dif}, {x[[3, 2]], 80000 + dif}]}},
     {{Opacity@1, Text[xdd, {x[[4, 2]] - x2 / 8, 85000 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[4, 1]], 30000 + dif}, {x[[4, 2]], 90000 + dif}]}}},
    {x, Partition[Flatten[Table[{{z[[1]] - x2 / 2, z[[2]] - x2 / 2}, {z[[1]], z[[2]]}}, {z,
         Partition[set2, 2, 1]}], 1], 4]}];
Graphics[
 {{Join[{{Opacity@1, Text[1, {First@set1 - x1 / 8, 80000 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{1, 35000}, {First@set1, 85000}]}},
     Join[Flatten[comp[[1]] /. Flatten@MapThread[{#1 → #2} &,
         {{xa, xb, xc, xd, xe, xf}, {2, 3, 4, 5, 6, 7}}], 1], Flatten[comp[[2]] /.
       Flatten@MapThread[{#1 → #2} &, {{xa, xb, xc, xd, xe, xf}, {8, 9, 10, 11, 12, 13}}],
      1], Flatten[comp[[3]] /. Flatten@MapThread[{#1 → #2} &,
         {{xa, xb, xc, xd, xe, xf}, {14, 15, 16, 17, 18, 19}}], 1]]],
    {Opacity[0.3], Black, Rectangle[{1, 55000}, {Last@set1, 65000}]}},
   {Join[{{Opacity@1, Text[1, {First@set2 - x2 / 8, 85000 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{1, 30000 + dif}, {First@set2, 90000 + dif}]}},
     Join[Flatten[comp2[[1]] /. Flatten@MapThread[{#1 → #2} &,
         {{xaa, xbb, xcc, xdd}, {2, 3, 4, 5}}], 1], Flatten[comp2[[2]] /.
       Flatten@MapThread[{#1 → #2} &, {{xaa, xbb, xcc, xdd}, {6, 7, 8, 9}}], 1],
      Flatten[comp2[[3]] /. Flatten@MapThread[{#1 → #2} &,
```

```
        {{xaa, xbb, xcc, xdd}, {10, 11, 12, 13}}], 1], Flatten[comp2[[4]] /.
       Flatten@MapThread[{#1 → #2} &, {{xaa, xbb, xcc, xdd}, {14, 15, 16, 17}}], 1],
     Flatten[comp2[[5]] /. Flatten@MapThread[{#1 → #2} &,
        {{xaa, xbb, xcc, xdd}, {18, 19, 20, 21}}], 1], Flatten[comp2[[6]] /.
       Flatten@MapThread[{#1 → #2} &, {{xaa, xbb, xcc, xdd}, {22, 23, 24, 25}}], 1],
     Flatten[comp2[[7]] /. Flatten@MapThread[{#1 → #2} &,
        {{xaa, xbb, xcc, xdd}, {26, 27, 28, 29}}], 1], Flatten[comp2[[8]] /.
       Flatten@MapThread[{#1 → #2} &, {{xaa, xbb, xcc, xdd}, {30, 31, 32, 33}}], 1],
     Flatten[comp2[[9]] /. Flatten@MapThread[{#1 → #2} &,
        {{xaa, xbb, xcc, xdd}, {34, 35, 36, 37}}], 1], Flatten[comp2[[10]] /.
       Flatten@MapThread[{#1 → #2} &, {{xaa, xbb, xcc, xdd}, {38, 39, 40, 41}}], 1]]],
   {Opacity[0.3], Black, Rectangle[{1, 55000 + dif}, {Last@set2, 65000 + dif}]}}},
 Frame → True, PlotRange →
  {{-20000, 420000},
   {10000, 200000}},
 FrameTicks → {{None, None}, {All, All}},
 FrameLabel →
  "Production Events",
 ImageSize →
  800]
```

Out[ ]=




```
In[ ]:= dif = 9000;
x1 = 3214;
set1 = {3214, 6428, 9642, 12856, 16070, 19284, 22498, 25712, 28926, 32138};
comp = Table[{{{Opacity@1, Text[xa, {x[[1, 2]] - x1 / 8, 9500}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[1, 1]], 2000}, {x[[1, 2]], 10000}]}},
```

```
    {{Opacity@1, Text[xb, {x[[2, 2]] - x1 / 8, 8500}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[2, 1]], 3000}, {x[[2, 2]], 9000}]}},
    {{Opacity@1, Text[xc, {x[[3, 2]] - x1 / 8, 7500}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[3, 1]], 4000}, {x[[3, 2]], 8000}]}},
    {{Opacity@1, Text[xd, {x[[4, 2]] - x1 / 8, 6500}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[4, 1]], 5000}, {x[[4, 2]], 7000}]}},
    {{Opacity@1, Text[xe, {x[[5, 2]] - x1 / 8, 7000}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[5, 1]], 4500}, {x[[5, 2]], 7500}]}},
    {{Opacity@1, Text[xf, {x[[6, 2]] - x1 / 8, 8000}]}, {EdgeForm@Dashed,
       Opacity[0.3], Blue, Rectangle[{x[[6, 1]], 3500}, {x[[6, 2]], 8500}]}}},
   {x, Partition[Flatten[Table[{{z[[1]] - x1 / 2, z[[2]] - x1 / 2}, {z[[1]], z[[2]]}}, {z,
        Partition[set1, 2, 1]}], 1], 6]}];
x2 = 1692;
set2 = {1692, 3384, 5076, 6768, 8460, 10 152, 11 844, 13 536, 15 228,
   16 920, 18 612, 20 304, 21 996, 23 688, 25 380, 27 072, 28 764, 30 456, 32 138};
comp2 = Table[{{{Opacity@1, Text[xaa, {x[[1, 2]] - x2 / 8, 9500 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[1, 1]], 2000 + dif}, {x[[1, 2]], 10 000 + dif}]}},
    {{Opacity@1, Text[xbb, {x[[2, 2]] - x2 / 8, 8000 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[2, 1]], 3500 + dif}, {x[[2, 2]], 8500 + dif}]}},
    {{Opacity@1, Text[xcc, {x[[3, 2]] - x2 / 8, 6500 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[3, 1]], 5000 + dif}, {x[[3, 2]], 7000 + dif}]}},
    {{Opacity@1, Text[xdd, {x[[4, 2]] - x2 / 8, 6250 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[4, 1]], 5250 + dif}, {x[[4, 2]], 6750 + dif}]}},
    {{Opacity@1, Text[xee, {x[[5, 2]] - x2 / 8, 7000 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[5, 1]], 4500 + dif}, {x[[5, 2]], 7500 + dif}]}},
    {{Opacity@1, Text[xff, {x[[6, 2]] - x2 / 8, 8500 + dif}]}, {EdgeForm@Dashed,
       Opacity[0.3], Red, Rectangle[{x[[6, 1]], 3000 + dif}, {x[[6, 2]], 9000 + dif}]}}},
   {x, Partition[Flatten[Table[{{z[[1]] - x2 / 2, z[[2]] - x2 / 2}, {z[[1]], z[[2]]}}, {z,
        Partition[set2, 2, 1]}], 1], 6]}];
Graphics[{{Join[{{Opacity@1, Text[1, {First@set1 - x1 / 8, 8000 + dif}]},
     {EdgeForm@Dashed, Opacity[0.3], Blue, Rectangle[{1, 3500}, {First@set1, 8500}]}},
    Join[Flatten[comp[[1]] /. Flatten@MapThread[{#1 → #2} &,
        {{xa, xb, xc, xd, xe, xf}, {2, 3, 4, 5, 6, 7}}], 1], Flatten[comp[[2]] /.
      Flatten@MapThread[{#1 → #2} &, {{xa, xb, xc, xd, xe, xf}, {8, 9, 10, 11, 12, 13}}],
     1], Flatten[comp[[3]] /. Flatten@MapThread[{#1 → #2} &,
        {{xa, xb, xc, xd, xe, xf}, {14, 15, 16, 17, 18, 19}}], 1]]],
   {Opacity[0.3], Black, Rectangle[{1, 5500}, {Last@set1, 6500}]}},
  {Join[{{Opacity@1, Text[1, {First@set2 - x2 / 8, 8500 + dif}]}, {EdgeForm@Dashed,
     Opacity[0.3], Red, Rectangle[{1, 3000 + dif}, {First@set2, 9000 + dif}]}},
    Join[Flatten[comp2[[1]] /. Flatten@MapThread[{#1 → #2} &,
        {{xaa, xbb, xcc, xdd, xee, xff}, {2, 3, 4, 5, 6, 7}}], 1],
     Flatten[comp2[[2]] /. Flatten@MapThread[{#1 → #2} &,
        {{xaa, xbb, xcc, xdd, xee, xff}, {8, 9, 10, 11, 12, 13}}], 1],
     Flatten[comp2[[3]] /. Flatten@MapThread[{#1 → #2} &,
        {{xaa, xbb, xcc, xdd, xee, xff}, {14, 15, 16, 17, 18, 19}}], 1],
     Flatten[comp2[[4]] /. Flatten@MapThread[{#1 → #2} &,
```

```
        {{xaa, xbb, xcc, xdd, xee, xff}, {20, 21, 22, 23, 24, 25}}], 1],
    Flatten[comp2[[5]] /. Flatten@MapThread[{#1 → #2} &,
        {{xaa, xbb, xcc, xdd, xee, xff}, {26, 27, 28, 29, 30, 31}}], 1],
    Flatten[comp2[[6]] /. Flatten@MapThread[{#1 → #2} &,
        {{xaa, xbb, xcc, xdd, xee, xff}, {32, 33, 34, 35, 36, 37}}], 1]]],
  {Opacity[0.3], Black, Rectangle[{1, 5500 + dif}, {Last@set2, 6500 + dif}]}]}},
Frame → True,
PlotRange →
 {{-1500, 33500},
  {1000, 20000}},
FrameTicks → {{None, None}, {All, All}},
FrameLabel →
 "Production Events",
ImageSize → 800, AspectRatio →
 2 / 5]
```

Out[ ]=