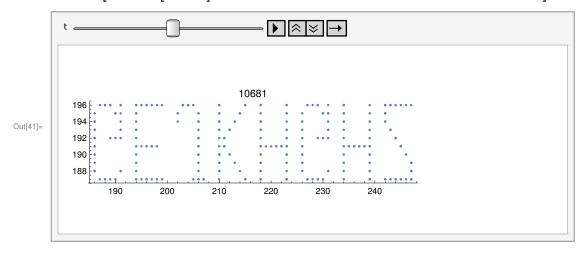
```
In[2]:= SetDirectory[NotebookDirectory[]];
  In[3]:= (in = ReadList["input.txt", String]) ~ Take ~ 10 // TableForm
Out[3]//TableForm=
       position=<-42528, 42920> velocity=< 4, -4>
       position=<-31857, -53217> velocity=< 3,
       position=< 32290, -21174> velocity=<-3,
       position=<-21141, -21171> velocity=< 2,
       position=< 32270, -31847> velocity=<-3,
       position=< 32266, -31853> velocity=<-3, 3>
       position=<-21171, 10873> velocity=< 2, -1>
       position=<-10466, -10485> velocity=< 1, 1> position=<-31814, 53601> velocity=< 3, -5> position=<-53161, -21166> velocity=< 5, 2>
  ln[7]:= (in2 = StringSplit[in, {"<", ",", ">"}]) ~ Take ~ 10
  Out[7] = \{ \{ position = , -42528, 42920, velocity = , 4, -4 \}, \}
         \{position=, -31857, -53217, velocity=, 3, 5\},
         \{\mathsf{position=,\ 32290,\ -21174,\ velocity=,-3,\ 2},
         \{\mathsf{position=,}\ -21141,\ -21171,\ \mathsf{velocity=,}\ 2,\ 2\},
         {position=, 32270, -31847, velocity=, -3, 3},
         \{position=, 32266, -31853, velocity=, -3, 3\},
         \{\text{position}=, -21171, 10873, \text{velocity}=, 2, -1\},
         \{position=, -10466, -10485, velocity=, 1, 1\},
         {position=, -31814, 53601, velocity=, 3, -5},
         {position=, -53161, -21166, velocity=, 5, 2}}
  nigi= (in3 = {#[[2]], #[[3]], #[[5]], #[[6]]} & /@ in2 // ToExpression) ~Take~5
  Out[9]= \{\{-42528, 42920, 4, -4\}, \{-31857, -53217, 3, 5\},
         \{32290, -21174, -3, 2\}, \{-21141, -21171, 2, 2\}, \{32270, -31847, -3, 3\}\}
  in[44]:= advance[list_, t_] := Module[{coords},
         coords = {#[[1]] + t * #[[3]], #[[2]] + t * #[[4]]} & /@list;
          Print[{Min[coords[[All, 1]]],
            Max[coords[[All, 1]]], Min[coords[[All, 2]]], Max[coords[[All, 2]]]]];
          ListPlot[coords, PlotLabel \rightarrow ToString[t], PlotRange \rightarrow All, AspectRatio \rightarrow 1 / 4
```

ln[41]:= Animate [advance[in3, t], {t, 10660, 10700, 1}, AnimationRunning \rightarrow False]



In[45]:= advance[in3, 10681]

{186, 247, 187, 196}

