```
In[32]:= Clear[t];
         Clear[t1];
         Clear[t2];
         J[t_] := {{-Sin[t1[t]] - Sin[t1[t] + t2[t]], -Sin[t1[t] + t2[t]]},
           {Cos[t1[t]] + Cos[t1[t] + t2[t]], Cos[t1[t] + t2[t]]}};
         xd = -1.0;
         yd = 0.0;
         eqn[t_] := Inverse[J[t]] . {xd, yd};
         soln = NDSolve[
           {t1'[t] == eqn[t][[1]], t2'[t] == eqn[t][[2]], t1[0] == 0.0, t2[0] == 0.01},
           {t1, t2}, {t, 0, 3}];

In[33]:= Plot[Evaluate[t1 /. soln[[1]]][t], {t, 0, 3}];
         Plot[Evaluate[t2 /. soln[[1]]][t], {t, 0, 3}];



In[34]:= g = {};
         count = 1;
         Do[
           t1 = Evaluate[t1 /. soln[[1]]][t];
          t2 = Evaluate[t2 /. soln[[1]]][t];
          orig = {0, 0};
          p1 = {Cos[t1], Sin[t1]};
          p2 = {Cos[t1] + Cos[t1 + t2], Sin[t1] + Sin[t1 + t2]};
          If[count >= 10,
          g = Append[g, Graphics[Line[{orig, p1, p2}]]];
           count = 0];
          count++,
          {t, 0, 3, 0.01}];

In[35]:= ShowAnimation[g, PlotRange -> {{-2, 2}, {-2, 2}}, Axes -> True]
```