```csharp
 1  using System;
 2  using System.Collections.Generic;
 3  using System.Linq;
 4  using System.Text;
 5  using System.Threading.Tasks;
 6  using System.Windows;
 7  using System.Windows.Controls;
 8  using System.Windows.Data;
 9  using System.Windows.Documents;
10  using System.Windows.Input;
11  using System.Windows.Media;
12  using System.Windows.Media.Imaging;
13  using System.Windows.Navigation;
14  using System.Windows.Shapes;
15  using System.Windows.Threading;
16
17  namespace Klausur_SS2
18  {
19      /// <summary>
20      /// Interaktionslogik für MainWindow.xaml
21      /// </summary>
22      public partial class MainWindow : Window
23      {
24
25
26          List< PKW> pkw= new List<PKW>();
27          List<LKW> lkw = new List<LKW>();
28          DispatcherTimer timer = new DispatcherTimer();
29          public bool isAlted;
30          public MainWindow()
31          {
32              InitializeComponent();
33              timer.Interval = TimeSpan.FromMilliseconds(17);
34              timer.Tick += anemiere;
35
36
37          }
38
39          private void anemiere(object sender, EventArgs e)
40          {
41              Zeichenflaeche.Children.Clear();
42              foreach (PKW item in pkw)
43              {
44                  item.Bewegen(timer.Interval,Zeichenflaeche);
45                  item.Zeichen(Zeichenflaeche,isAlted);
46              }
47              foreach(LKW item in lkw)
48              {
49                  item.Bewegen(timer.Interval, Zeichenflaeche);
50                  item.Zeichen(Zeichenflaeche,isAlted);
51
52              }
53          }
```

```
54
55          private void Button_Click(object sender, RoutedEventArgs e)
56          {
57              Zeichenflaeche.Children.Clear();
58              pkw.Clear();
59              lkw.Clear();
60              for (int i = 0; i < 10; i++)
61              {
62                  pkw.Add(new PKW(Zeichenflaeche));
63              }
64              for (int i = 0; i < 10; i++)
65              {
66                  lkw.Add(new LKW(Zeichenflaeche));
67              }
68              timer.Start();
69          }
70
71          private void Grid_KeyDown(object sender, KeyEventArgs e)
72          {
73              if (e.Key == Key.Left)
74              {
75                  lkw.ForEach(x => x.links());
76                  pkw.ForEach(x => x.links());
77              }
78              else if (e.Key == Key.Right)
79              {
80                  lkw.ForEach(x => x.Rechts());
81                  pkw.ForEach(x => x.Rechts());
82              }
83              else if  (e.Key == Key.Up)
84              {
85
86                  isAlted = !isAlted;
87              }
88
89
90
91
92          }
93      }
94 }
95
```