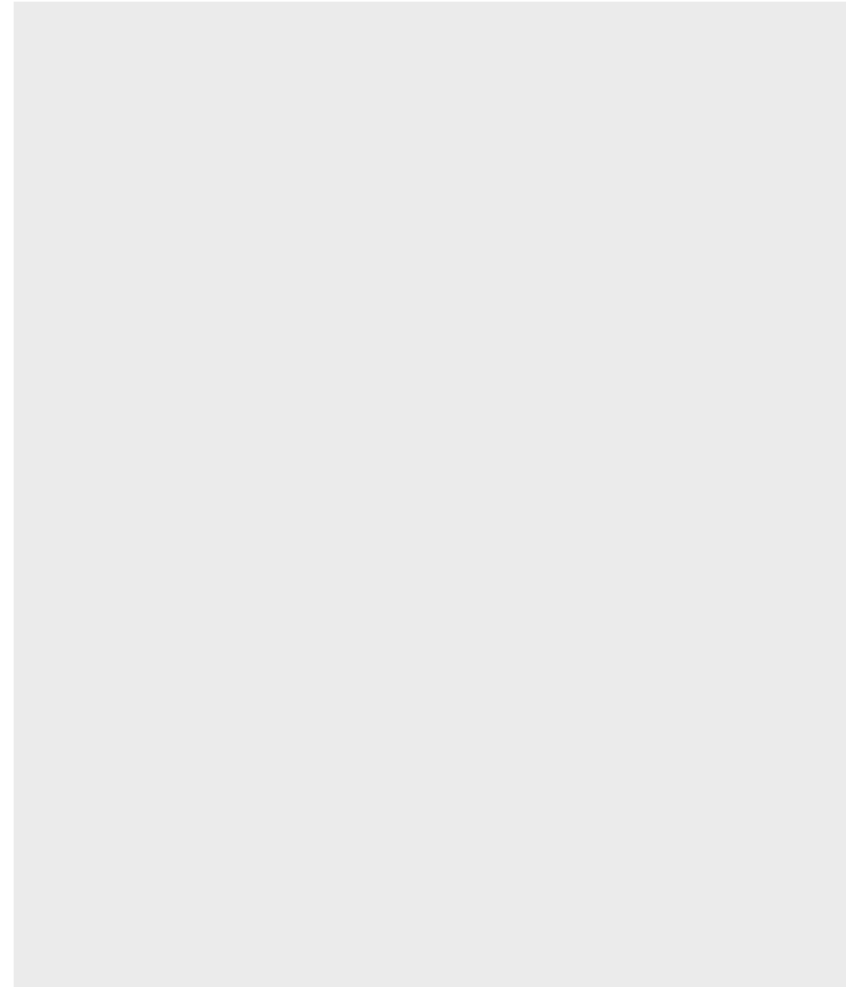```
bind_rows(start_grid, end_grid)
```

```
A tibble: 68 x 6
       x   y xend yend index time
   <dbl> <dbl> <dbl> <dbl> <int> <int>
 1   -8   -8   -8   8   1   1
 2   -7   -8   -7   8   2   1
 3   -6   -8   -6   8   3   1
 4   -5   -8   -5   8   4   1
 5   -4   -8   -4   8   5   1
 6   -3   -8   -3   8   6   1
 7   -2   -8   -2   8   7   1
 8   -1   -8   -1   8   8   1
 9   0   -8   0   8   9   1
10   1   -8   1   8   10   1
... with 58 more rows
```
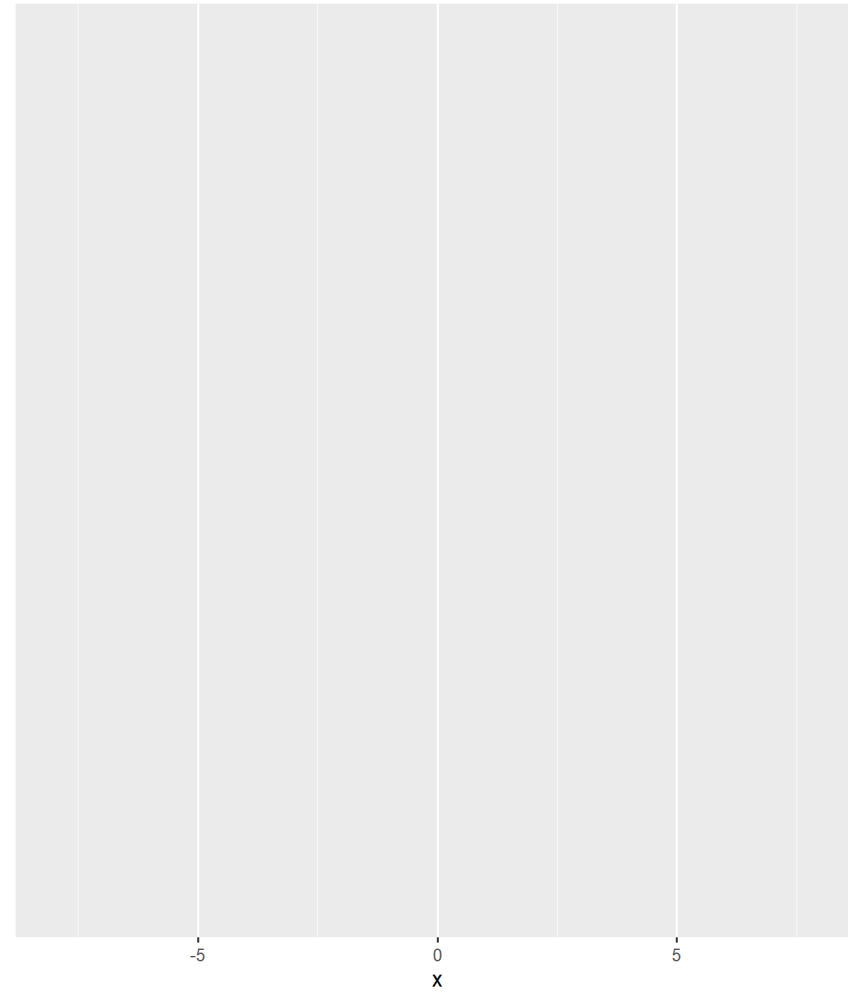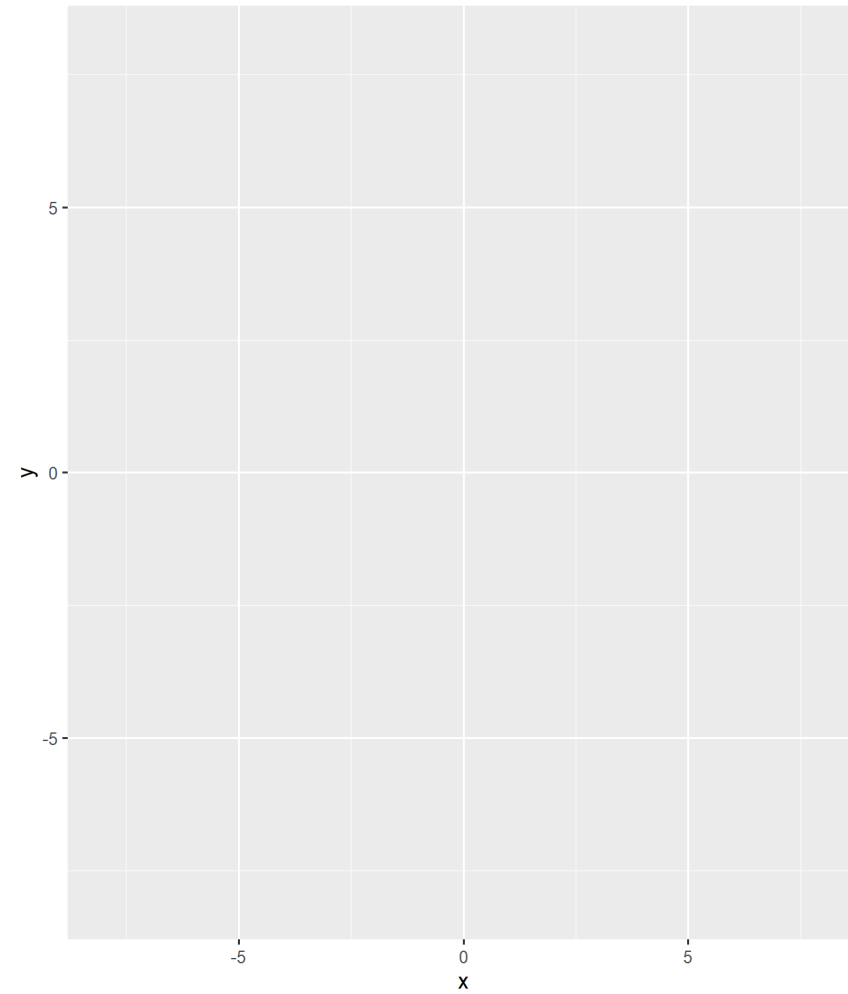
```
bind_rows(start_grid, end_grid) %>%
    ggplot()
```
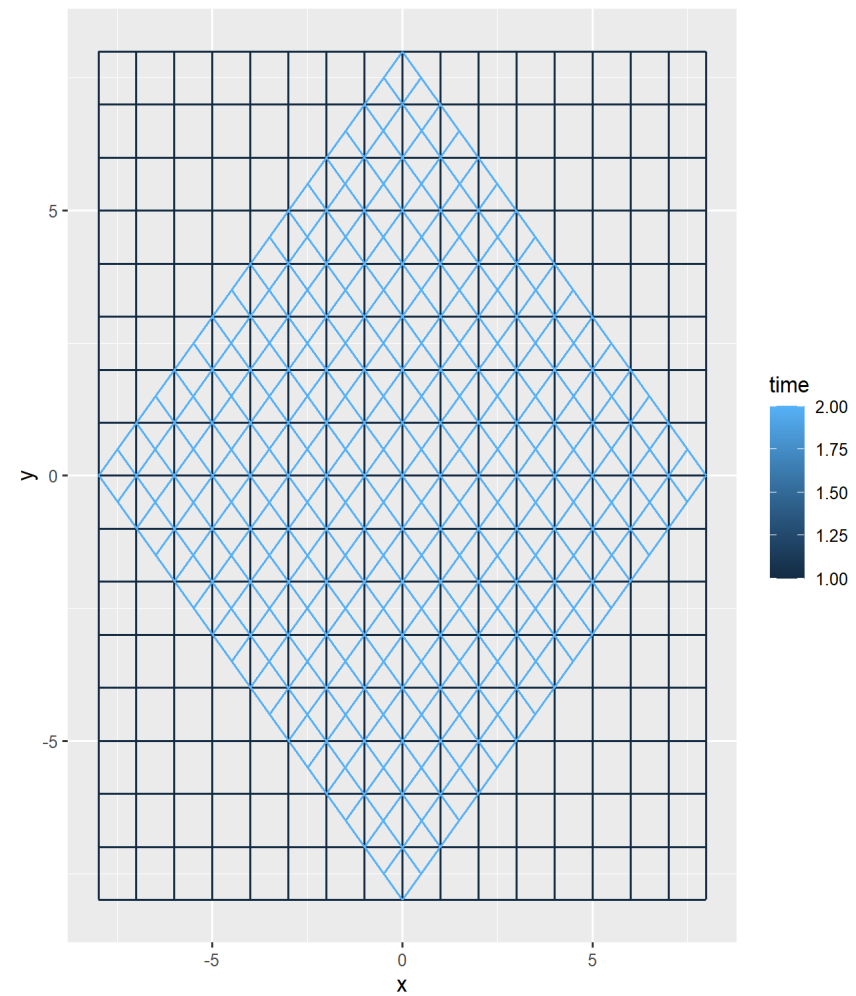
```
bind_rows(start_grid, end_grid) %>%
  ggplot()+
  aes(x = x)
```

```
bind_rows(start_grid, end_grid) %>%
   ggplot()+
   aes(x = x)+
   aes(y = y)
```
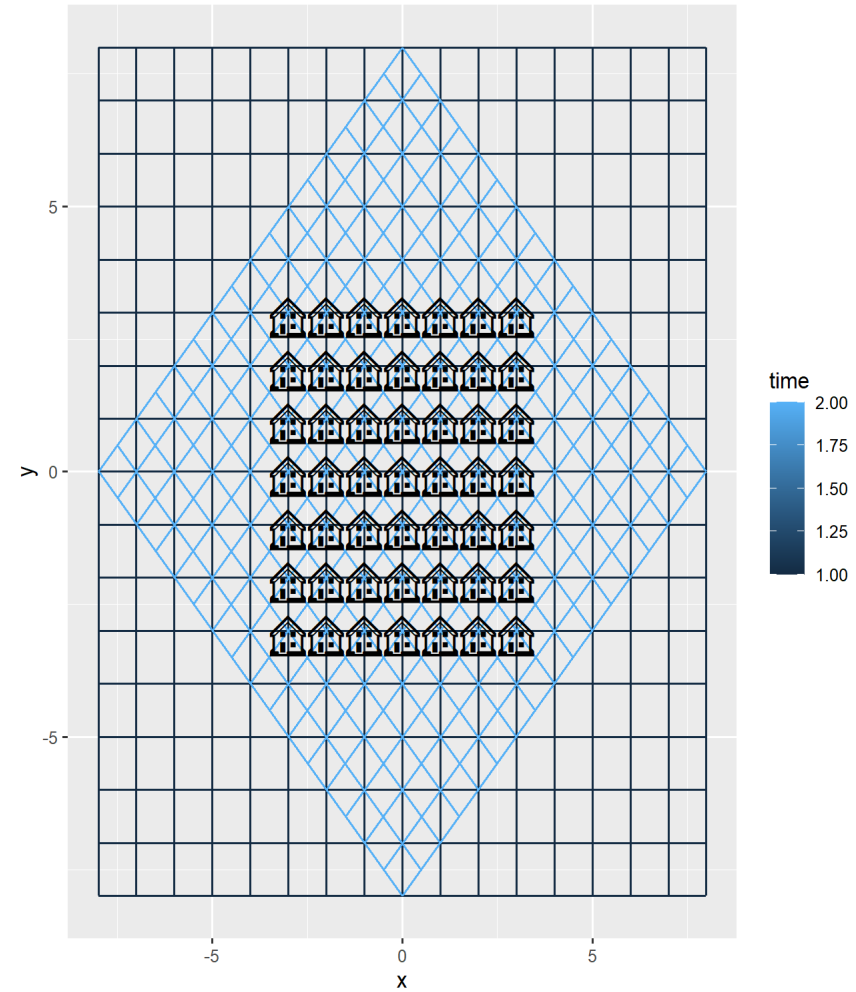
```
bind_rows(start_grid, end_grid) %>%
    ggplot()+
    aes(x = x)+
    aes(y = y)+
    geom_segment(aes(xend = xend, yend = yend, group = i
```

```
bind_rows(start_grid, end_grid) %>%
  ggplot()+
  aes(x = x)+
  aes(y = y)+
  geom_segment(aes(xend = xend, yend = yend, group = i
  geom_text(aes(label = symbol), data = house_points,
```

```
bind_rows(start_grid, end_grid) %>%
    ggplot()+
    aes(x = x)+
    aes(y = y)+
    geom_segment(aes(xend = xend, yend = yend, group = i
    geom_text(aes(label = symbol), data = house_points,
    geom_label(aes(label = "Riddler\nCity Hall"), data =
```
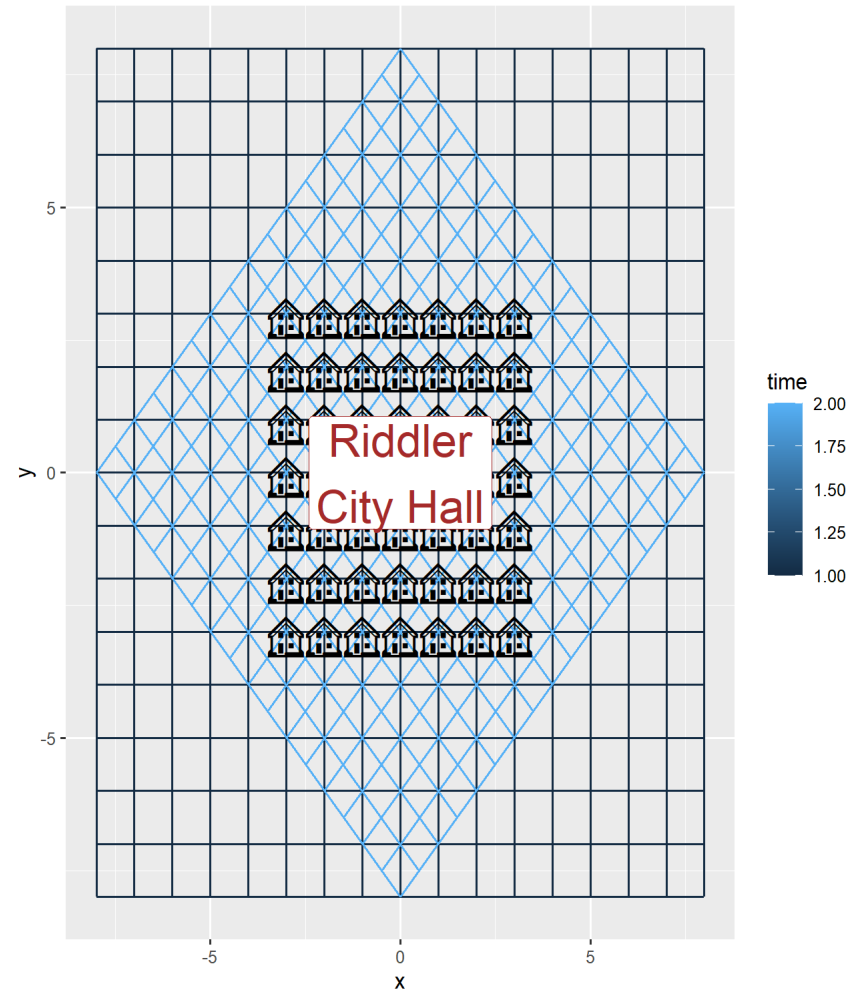
```
bind_rows(start_grid, end_grid) %>%
  ggplot()+
  aes(x = x)+
  aes(y = y)+
  geom_segment(aes(xend = xend, yend = yend, group = i
  geom_text(aes(label = symbol), data = house_points,
  geom_label(aes(label = "Riddler\nCity Hall"), data =
  scale_colour_gradient(low = "black", high = "royalbl
```
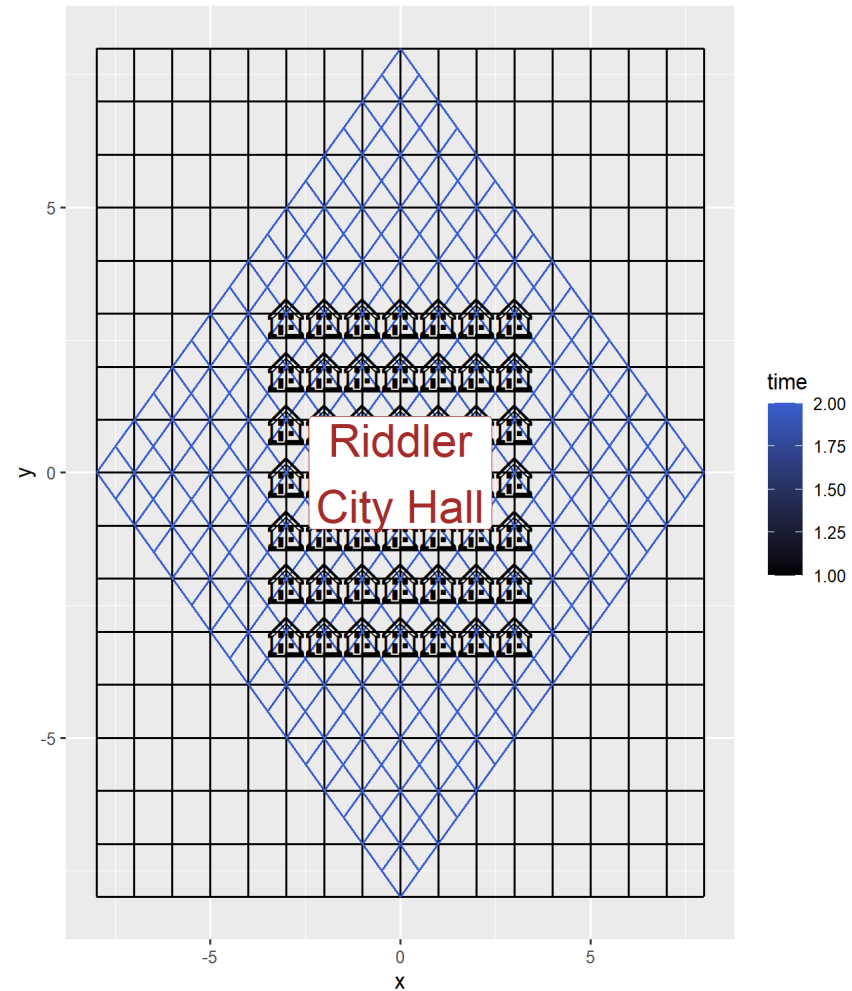
```
bind_rows(start_grid, end_grid) %>%
  ggplot()+
  aes(x = x)+
  aes(y = y)+
  geom_segment(aes(xend = xend, yend = yend, group = i
  geom_text(aes(label = symbol), data = house_points,
  geom_label(aes(label = "Riddler\nCity Hall"), data =
  scale_colour_gradient(low = "black", high = "royalbl
  scale_x_continuous(breaks = -3L:3L, minor_breaks = N
```
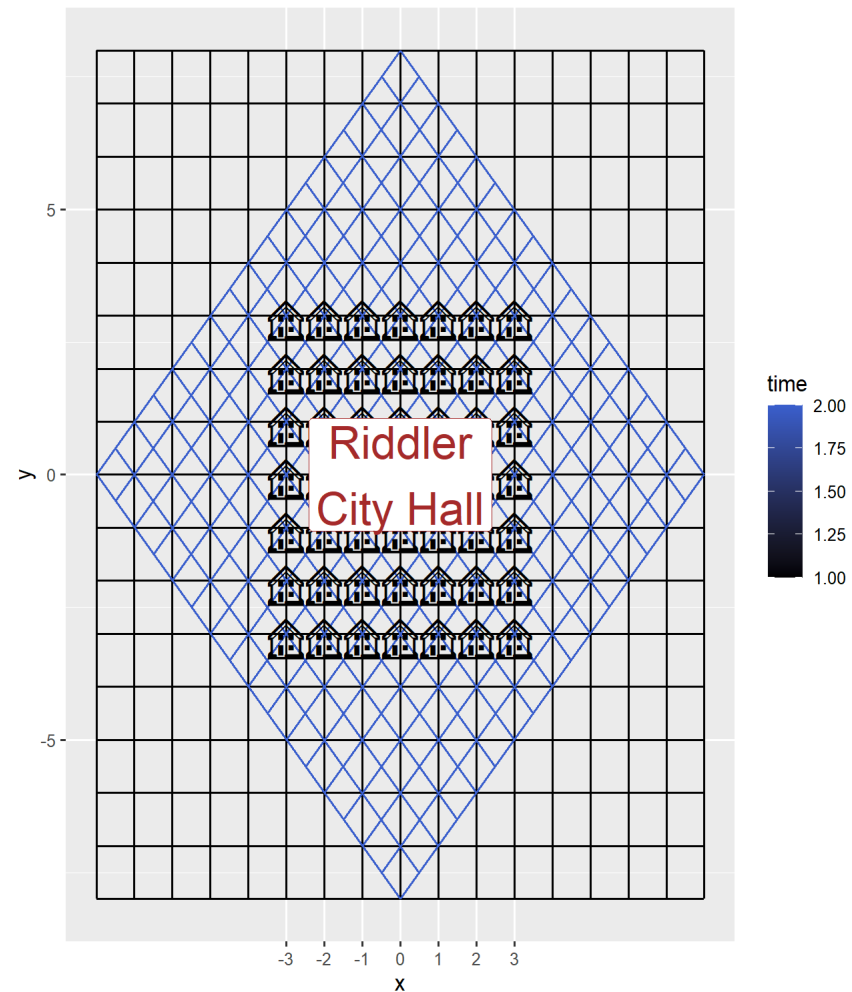
```
bind_rows(start_grid, end_grid) %>%
  ggplot()+
  aes(x = x)+
  aes(y = y)+
  geom_segment(aes(xend = xend, yend = yend, group = i
  geom_text(aes(label = symbol), data = house_points,
  geom_label(aes(label = "Riddler\nCity Hall"), data =
  scale_colour_gradient(low = "black", high = "royalbl
  scale_x_continuous(breaks = -3L:3L, minor_breaks = N
  scale_y_continuous(breaks = -3L:3L, minor_breaks = N
```
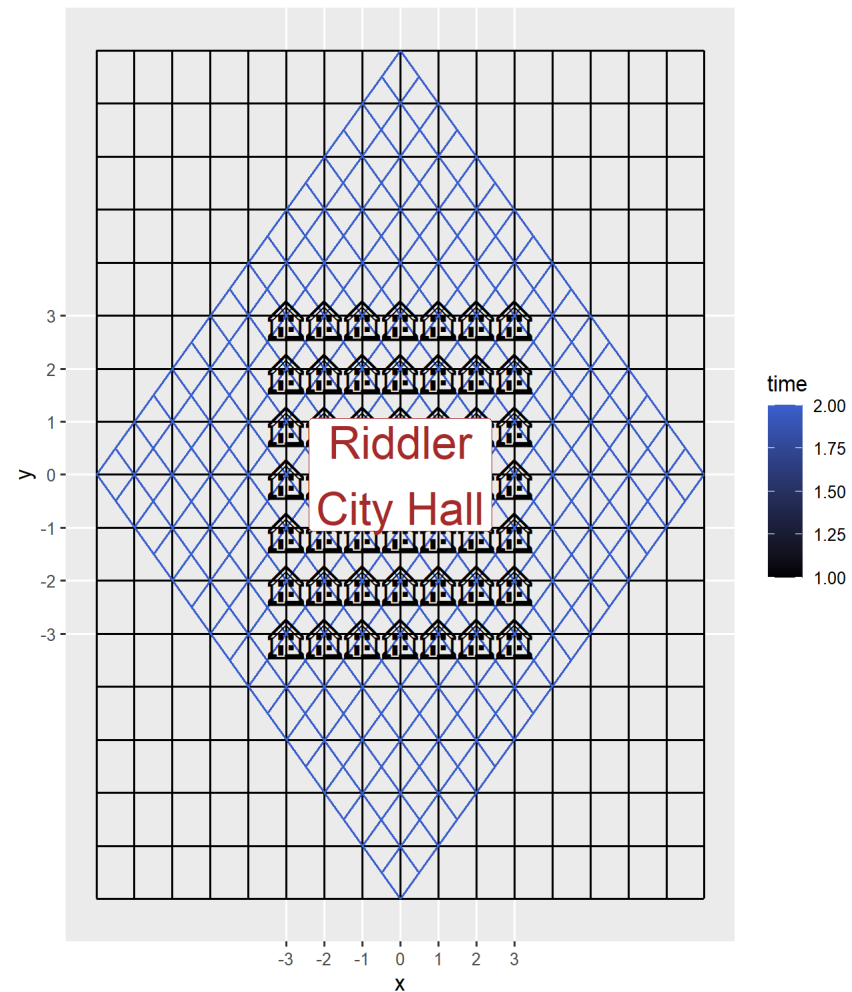
```
bind_rows(start_grid, end_grid) %>%
  ggplot()+
  aes(x = x)+
  aes(y = y)+
  geom_segment(aes(xend = xend, yend = yend, group = i
  geom_text(aes(label = symbol), data = house_points,
  geom_label(aes(label = "Riddler\nCity Hall"), data =
  scale_colour_gradient(low = "black", high = "royalbl
  scale_x_continuous(breaks = -3L:3L, minor_breaks = N
  scale_y_continuous(breaks = -3L:3L, minor_breaks = N
  coord_fixed(xlim = c(-3, 3), ylim = c(-3, 3))
```
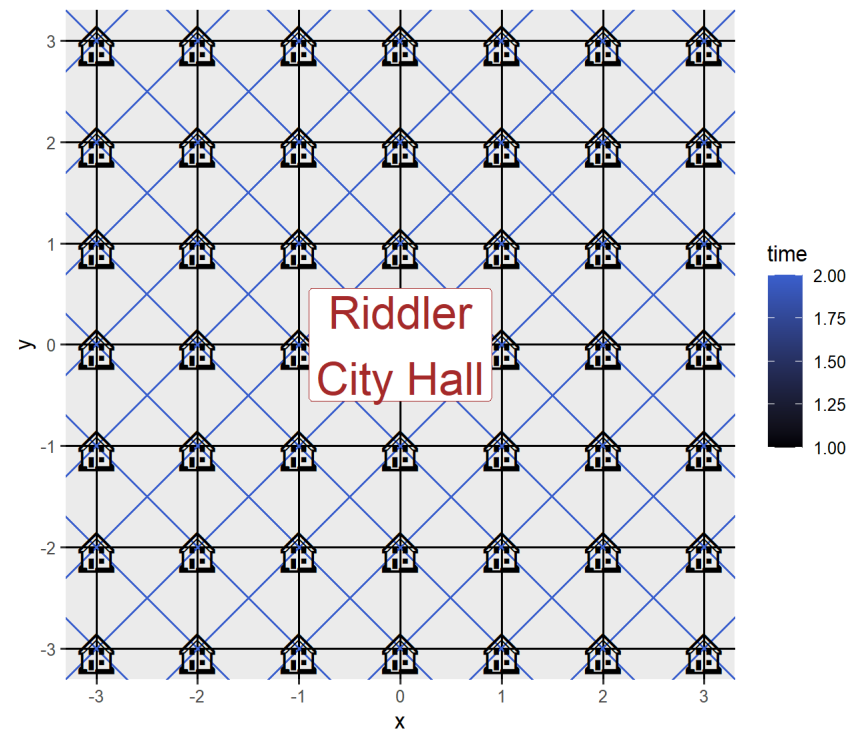
```
bind_rows(start_grid, end_grid) %>%
  ggplot()+
  aes(x = x)+
  aes(y = y)+
  geom_segment(aes(xend = xend, yend = yend, group = i
  geom_text(aes(label = symbol), data = house_points,
  geom_label(aes(label = "Riddler\nCity Hall"), data =
  scale_colour_gradient(low = "black", high = "royalbl
  scale_x_continuous(breaks = -3L:3L, minor_breaks = N
  scale_y_continuous(breaks = -3L:3L, minor_breaks = N
  coord_fixed(xlim = c(-3, 3), ylim = c(-3, 3))+
  theme_minimal()
```
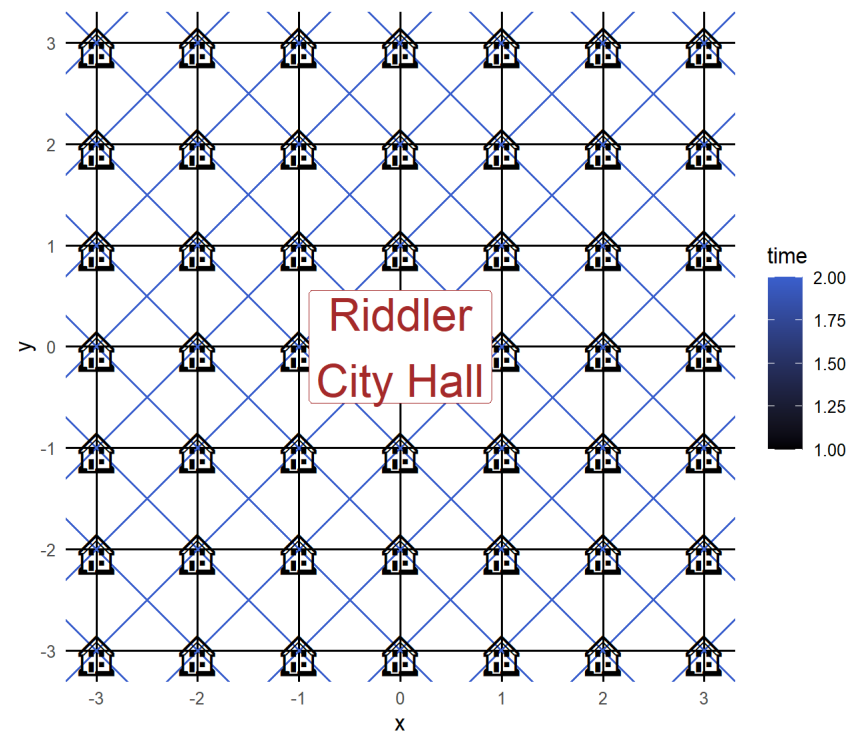
```r
bind_rows(start_grid, end_grid) %>%
  ggplot()+
  aes(x = x)+
  aes(y = y)+
  geom_segment(aes(xend = xend, yend = yend, group = i
  geom_text(aes(label = symbol), data = house_points,
  geom_label(aes(label = "Riddler\nCity Hall"), data =
  scale_colour_gradient(low = "black", high = "royalbl
  scale_x_continuous(breaks = -3L:3L, minor_breaks = N
  scale_y_continuous(breaks = -3L:3L, minor_breaks = N
  coord_fixed(xlim = c(-3, 3), ylim = c(-3, 3))+
  theme_minimal()+
  theme(axis.text = element_blank(),
        axis.title = element_blank(),
        legend.position = "none",
        panel.border = element_rect(colour = "black",
```