

```

x<-1:1000
y<-1:1000
east <- sample(x, size = 50, replace = TRUE)
north <- sample(y, size = 50, replace = TRUE)
symbols(east, north, squares = rep(10,50), inches = FALSE)
dwellings <- cbind.data.frame(id = 1:50, east, north)
east <- sample(x, size = 40, replace = TRUE)
north <- sample(y, size = 40, replace = TRUE)
symbols(sample(x, 40, replace = TRUE),
        sample(y, 40, replace = TRUE),
        circles = rep(10,40),
        inches = FALSE,
        fg="green1",
        bg="beige",
        add = TRUE)
title(main="A Person's path between Homes")

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east <- sample(x, size = 12, replace = TRUE)
north <- sample(y, size = 12, replace = TRUE)
symbols(sample(x, 12, replace = TRUE),
        sample(y, 12, replace = TRUE),
        circles = rep(20,12),
        inches = FALSE,
        fg="green4",
        bg="beige",
        add = TRUE)
locs <- sample(1:50, 7, replace = FALSE)
xspline(x = dwellings[locs, 2],
        y = dwellings[locs, 3],
        shape=-1,
        lty=2,
        col = "blue")
text(x=dwellings[locs, ]$east,
     y=dwellings[locs, ]$north + 20,
     labels = dwellings[locs, ]$id)

```