```{r}

install.packages("maxLik")

install.packages("rootSolve")

install.packages("extraDistr")

```

```{r}

library(maxLik)

library(rootSolve)

library(extraDistr)

```

```{r}

set.seed(1)

N <- 10000

x <- rnorm(N, 6, 2)

z <- rbinom(N, 1, 0.7)

tet1 <- 0.5

tet2 <- 0.5

lambda <- tet1+ tet2\*z

p <-(tet1 + tet2\*z)^x / (exp(tet1 + tet2\*z) \* factorial(x))

P <- ppois(x, tet1+ tet2\*z)

ex1 <- data.frame(x, z, P)

head(ex1)

```

