```
x  = c( 4 , 4 , 0 , 12 , 1 , 2 , 0 , 2 , 6 , 1 , 0 , 20 , 6 , 5 , 20 , 0 , 0 , 0 , 4 , 1 , 0 ,
16 , 0 , 9 , 7 , 11 , 0 , 2 , 3 , 0 , 10 , 2 , 1 , 0 , 3 , 6 , 4 , 0 , 20 , 11 , 1 , 8 , 0 ,
 6 , 15 , 0 , 2 , 5 , 2 , 6 , 24 , 1 , 11 , 6 , 9 ) ## Missing cases in intervention

y  = c( 3 , 3 , 0 , 0 , 5 , 3 , 0 , 5 , 4 , 2 , 0 , 20 , 6 , 1 , 18 , 0 , 0 , 3 , 3 , 1 , 0 ,
 4 , 0 , 13 , 7 , 12 , 0 , 2 , 2 , 0 , 2 , 4 , 0 , 4 , 2 , 5 , 0 , 0 , 23 , 8 , 0 , 14 , 0 ,
9 , 20 , 0 , 2 , 0 , 2 , 2 , 14 , 4 , 1 , 4 , 7 ) ## Mising cases in control

t  = c( 5 , 5 , 6 , 6 , 6 , 7 , 7 , 7 , 7 , 7 , 9 , 9 , 9 , 9 , 10 , 8 , 10 , 8 , 10 , 10 , 10 ,
10 , 10 , 8 , 8 , 8 , 8 , 8 , 8 , 8 , 8 , 8 , 8 , 8 , 3 , 2 , 4 , 4 , 11 , 2 , 2 , 11 , 1 , 11 ,
11 , 11 , 11 ,  1 , 11 , 10 , 11 , 11 , 11 , 11 , 11 , 1 ) # Interventions

tn<-as.vector(table(t)) # A dataframe of length equal to the number of interventions.

Nx<-vector("list",length(unique(t)))
Ny<-vector("list",length(unique(t)))
n<-vector("list",length(unique(t)))
for(i in 1:11){
Nx[[i]]<-array(0,dim=c(1,tn[i],1))+x[t==i]
Ny[[i]]<-array(0,dim=c(1,tn[i],1))+y[t==i]
n[[i]]<-(Nx[[i]]+1)*(Ny[[i]]+1)
}
Nx;Ny;n

results<-vector("list",length(unique(t)))
for(i in 1:length(unique(t))){
for(k in 1:tn[i]){
results[[i]]<-array(0,dim=c(2,2,k,n[[i]][,k,]))
Nx[[i]][k] <- length(1:((x[t==i]+1)[k]))
Ny[[i]][k] <- length(1:((y[t==i]+1)[k]))
l<-1
for(j in 1:(Nx[[i]][k])){
for(b in 1:(Ny[[i]][k])){
tmp<-c((0:(x[t==i][k]))[j], (0:(y[t==i][k]))[b],-(0:(x[t==i][k]))[j], -(0:(y[t==i][k]))[b])
results[[i]][,,l,]<- mat.stat[[i]][,,l,] + matrix(tmp, nrow=2, ncol=2,byrow=T)
l<-l+1
}
}
}
}
results
```