

## hw 3

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### Question 6b

```
resident_dist<-c(rep(50,100),rep(100,500),rep(200,200))
n<-rpois(1000,50)
t<-array(dim = 1)

for(i in 1:length(n))
{t[i] <- sum(sample(resident_dist,n[i]))}

mean(t)
```

```
## [1] 5918
```

```
var(t)
```

```
## [1] 788239.2
```