R Notebook

```
lambda <- 1/900
sims <- 800
n <- 15
tsamples <- replicate(sims, rexp(n, rate = lambda))
mu = 1/lambda

results <- as.numeric(sims)
t.int <- matrix(FALSE, sims, 2)
for (i in 1:sims) {
    t.int[i, ] <- t.test(tsamples[, i], conf.level = 0.95)$conf.int
    results[i] <- t.int[i, 1] < mu & t.int[i, 2] > mu
}
sum(results)/sims
```

```
## [1] 0.895
```