



```
3 a) Yi = 11, Y, ... Yn ild Bernoulli (P), n= 95, y= 95
            Z.025 = 1.96., with this info, we can sub values from 26
      (.0526 - 1.96 \.0526(1-.0526) .0526 + 1.96 \.0526(1-.0526)
            computing this, we get:
     95% => (.00770956,.09749044)
    b) point-estimate for efficacy => 1 - \frac{P}{1-p}

(\hat{P}_L, \hat{P}_U) => \left(1 - \frac{\hat{P}_L}{1-\hat{P}_L}, 1 + \frac{\hat{P}_U}{1-\hat{P}_U}\right)
             (1-.00770956 , 1-.09749044 )
     = ( .99223054 , .89197849
     95% => (.89197849, .99223054)
```