

$$P = \sum_{j=k+1}^n \binom{n}{j} p^j (1-p)^{n-j}$$

The CJT more formally: General case (ctd)

- For $p > 0.5$ (due to *minimal competence*), the function

$$\sum_{j=k+1}^n \binom{n}{j} p^j (1-p)^{n-j}$$

- (a) is strictly monotonically increasing in n
- (b) tends towards 1 as n goes to ∞