







Mean Time to "Failure" 
$$E[F] = \sum_{n>0} n \cdot Pr[F=n]$$

$$= \sum_{n>0} n \cdot q^{n-1}p$$

$$= p \sum_{n\geq 0} (n+1)q^n$$

$$\frac{1}{(1-q)^2}$$
Albert R Meyer. May 8, 2013 ranvarfail, 6



















