

7.  $P(\text{AT LEAST ONE WILL DIE out of 5})$

$$= 1 - P(\text{NONE DIE})$$

$$= 1 - P(\text{ALL LIVE})$$

$$= 1 - \left(\frac{652045}{652046}\right)^5 \leftarrow \text{How many}$$

$$= 7.66814713 \text{ E } -6$$

$$= .00000766814713$$

$$= (.000007668)$$

$$\text{DIE} = \frac{1}{652046}$$

$$\text{LIVE} = 1 - \frac{1}{652046}$$

$$= \frac{652045}{652046}$$