(a) 10.10.26.26.3
possible licenses =
$$2,028,000$$

(2)
(a)
$$S = \{(H, H, H), (H, H, T), (H, T, H), (H, T, T), (T, H, H), (T, H, H), (T, T, T), (T, T), (T, T, T)$$

$$P(F) = \frac{3}{8}$$



(a) See HW Z - problem #10

(b) See HW Z - Extra problems problem # Z

$$\begin{array}{l} (4) \\ (\alpha) \\ (52 \\ 3) = \frac{52!}{3! 49!} = \frac{52 \cdot 51 \cdot 50 \cdot 49!}{6 \cdot 49!} \\ = \frac{132,600}{6} = 22,100 \end{array}$$

$$(b) = \frac{10!}{2!8!} = \frac{10!}{2!8!} = \frac{10!9.8!}{2!8!} = 5!9 = 45$$

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$$(b) = \frac{10!9}{2!8!} = \frac{10!9.8!}{2!8!} = \frac{10!9}{2!8!} = \frac{10!9}{2!9!} = \frac{10!9!9!}{2!9!} = \frac{10!9!9!}{2!9!} = \frac{10!9!9!}{2!9!} = \frac{10!$$

(c) # whys to pick the here is
with an odd # on them is

$$\begin{pmatrix} 5\\2 \end{pmatrix} = \frac{5!}{2!3!} = \frac{5!4\cdot3!}{2\cdot3!} = 10$$

probability is $\frac{10}{45} \approx 0.22\overline{2}$
 ≈ 22.270