



② $P(NR \cap T \cap NL)$

$= \frac{2}{3} \times \frac{1}{4} \times \frac{3}{4}$
 $= \frac{1}{8}$

③

$P(L) = \frac{1}{12} + \frac{1}{24} + \left(\frac{2}{3} \times \frac{1}{4} \times \frac{1}{4} \right) + \left(\frac{2}{3} \times \frac{3}{4} \times \frac{1}{8} \right)$

$= \frac{1}{12} + \frac{1}{24} + \frac{1}{24} + \frac{1}{16}$

$= \frac{1}{12} + \frac{2}{24} + \frac{1}{16}$

$= \frac{2}{12} + \frac{1}{16}$

$= \frac{1}{6} + \frac{1}{16} = \frac{11}{48}$

~~11/48~~

$P(RNL) = \frac{1}{12} + \frac{1}{24}$
 $= \frac{2+1}{24} = \frac{3}{24} = \frac{1}{8}$

④

$P(R|L) = \frac{P(R \cap L)}{P(L)}$

$= \frac{1/8}{11/48}$
 $= \frac{1}{8} \times \frac{48}{11}$
 $= \frac{6}{11}$

⑤

⑤