$$P(\,Int(S)=1, Reg(S,C)=F, RA(S,P)=F) = \frac{1}{6} - \frac{1}{12} = \frac{1}{12}$$

$$P(Int(S)=1, RA(S,P)=F) = \frac{1}{3} - \frac{1}{6} = \frac{1}{6}$$

$$p(Int=1, Reg(S,C)=T, RA=F) = \frac{1}{6} - \frac{1}{12} = \frac{1}{12}$$

$$P(Int(S)=1) = \frac{1}{3} \qquad P(Int(S)=1, RA(S,P)=T) = \frac{1}{6} \qquad P(Int(S)=1, Reg(S,C)=T) = \frac{1}{6} \qquad P(Int(S)=1, Reg(S,C)=T, RA(S,P)=T) = \frac{1}{12}$$