-

3.3.4
$$P(B=T, C=T) = P(A=T, B=T, C=T) + P(A=F, B=T, C=T)$$
 $P(A=T, B=T, C=T) = 0.28$
 $P(A=T, B=T, C=T) / P(B=T, C=T) = 0.04 / 0.28 = 0.14$
 $P(A=F, B=T, C=T) / P(B=T, C=T) = 0.04 / 0.28 = 0.86$

Using 3.33

 $P(B=T, C=T) = P(A=T, B=T) + P(A=F, B=T) = 0.56 + 0.36$
 $P(A=T, B=T, C=T) / P(B=T, C=T) = 0.06 / 0.42 = 0.44$
 $P(A=F, B=T, C=T) / P(B=T, C=T) = 0.06 / 0.42 = 0.44$
 $P(A=F, B=T, C=T) / P(B=T, C=T) = 0.36 / 0.42 = 0.44$

3.3.2	(cont'd)
-------	----------

A
$$P(A)$$

T $P(A=T,B=T,C=T)+P(A=T,B=T,C=F)+P(A=T,B=f,C=T)+P(A=T,B=f,C=T)+P(A=T,B=f,C=T)+P(A=F,B=f,C=T)+P(A=F,B=T,C=T)+P(A=F,B$

3.3.3

$$P(C=T) = P(A=T, B=T, C=T) + P(A=T, B=F, C=T) + P(A=F, B=T, C=T) + P($$

3.3.1

$$\begin{array}{c|c}
A & P(A) \\
\hline
T & P(A=T,B=T)+P(A=T,B=F) = 0.1+0.1 \\
&= 0.2
\end{array}$$

$$F & P(A=F,B=F)+P(A=F,B=T) = 0.5+0.3 \\
&= 0.8$$

3.3.2

A, B
$$P(A, B)$$

TT $P(A=T, B=T, C=T) + P(A=T, B=T, C=F) = 0.06 + 0.04 = 0.1$
TF $P(A=T, B=F, C=T) + P(A=T, B=F, C=F) = 0.08 + 0.02$
= 0.1
FT $P(A=F, B=T, C=T) + P(A=F, B=T, C=F) = 0.24 + 0.06$
= 0.3
 $P(A=F, B=F, C=F) + P(A=F, B=F, C=T) = 0.3 + 0.2$
= 0.5