HW5.3 Thursday, April 27, 2023 8:54 AM

Modes= rudon variables Edges = direct dependence

Convergent prth P(r=0)=0.90 P(r=1) = 0.10 P (5=0)=0,80 P(s-1)=0.20

0 p(w=1 | r=0, 5=0) = 0.601 (3) P(w=1] r=0,5=1)=0.03

(3) P (w = 1 | r = 1 | 5=0) = 0.90 100 cm 1 | C=1 | S=1]=0.99

0.00 1=7: A 0.70 B: 5= 1 C: W=1

0.90 0: 6=0 D. 80 E: 5=0

P(r, 5, w) = P(w|r, 5) P(r) P(3)

=(0.19)(.1)(.3)=0.0198

(1,5,W) = P(w/r,5) P(r) P(s) = (0,001)(0.40)(0.80) = 0.00072

(8) P(r,s,w) = P(w/r,s) P(r) P(s) = (0.97)(0.90)(0.30) = 0.1746

(3) P(r,s,w) = P(w/r,s) P(r) P(s)

 $= (0.90)(0.10)(0.90) = 0.09\lambda$ P(r,s,w) = P(w)r,s)P(r)P(s)

=(0.91)(0.1)(0.2)=0.0118

P(W=1)=0.000727 0.1746 + 0.072 + 0.0198

= 0.26712 = W (3) P(WIC, s) PCr) P(s)

(0.36712)(0.1)(0.80) = 0.0313616

Sprikler off.

P(0,36717) - 0.16695 (c80*7)

Mrs Ran:

40 0,00 0.001 W

> 767/2(.80) = .213696 .21712 (.90) 7.240408

367/2 = ,3339

36712 2068

[(0,767[2*(0,1*7)]=0.053