2. Given, Precipitation, temperature, schools, con counties. PN: New value por precipitation PGT: New value is greater than werent value TN: New value for temperature value Tit: New value is less than current PR: Precipitation Record Broken TR: Temperature Record Broken Sc: Schools closed  $BN_1$ : Number of days = J $N_2$ : Number of days = 2 N3: Number of days 🗃 🛭 2 Cn: Any n'in county in the state CA! All counties in the state Photo a resultance of the second of the second one necord rule: (ORROGATER) NICONTACTOR  $(C_{N} \wedge (C_{N} \wedge P_{qT}) \rightarrow P_{R})) \vee (C_{N} \wedge (C_{N} \wedge T_{LT}) \rightarrow T_{R})) \xrightarrow{\cdot}$ Two record rule: CCn AC(PNAPGT) -> PR)) A (Cn A (CTNATLT) -> TR)) -> SCAN2

State - wide - rules: ((CCMCCPN A PQT) -> PR)) A (GA N (CTN A TLT) -> TR) -> SC ANZ) A ((CON (CPN NPGT) -> PR)) N(CON ((TNNTLT) -> TR) -> Sc NN2) N (CCn N((PNNPgT) -> PR)) N(CnN ((TNNTLT) -> TR) -> Sc NN2) = V (CCn  $\wedge$ (CPN  $\wedge$ PqT)  $\rightarrow$ PR))  $\wedge$  (Cn  $\wedge$  CCTN  $\wedge$ TLT)  $\rightarrow$ TR)  $\rightarrow$  Sc  $\wedge$ N2))  $\rightarrow$  Sc  $\wedge$ CA

in industry record the top

3(a) 
$$P(+SC/+S) = P(+SC, +S)$$

$$P(+S)$$

$$= 1 \leq P(+SC, +S, T, P, C)$$

$$P(+S) T_1P_1C$$

= 
$$\frac{1}{P(HS)} \leq P(HS) P(HSC/HS,C) P(T) P(P) P(C/T,P)$$

= 
$$P(+S)$$
  $\leq$   $P(+S)$   $P(+S)$   $P(T)$   $P(P)$   $P(C,T,P)$   $P(T,P)$ 

= 
$$p(+sc/+s,+c) p(+c,+T,+P) + p(+sc/+c,+s) = p(+c,+T,-P)$$
  
 $+ p(+sc/+s,+c) p(+c,-T,+P) + p(+sc/+c,+s) p(+c,-T,-P)$   
 $= + p(+sc/+s,+c) p(-c,+T,+P) + p(+sc/+c,+s) p(-c,+T,-P)$   
 $+ p(+sc/+s,-c) p(-c,-T,+P) + p(+sc/-c,+s) p(-c,-T,-P)$ 

## C 0980008+0-8800

 $= 0.98 \times 0.01 \times 0.04 \times 0.04 + 0.8 \times 0.05 \times 0.04 \times 0.01 \times 0.04 + 0.08 \times 0.05 \times 0.04 \times 0.01 + 0.08 \times 0.05 \times 0.01 \times 0.001 \times 0.001 + 0.08 \times 0.05 \times 0.01 \times 0.001 \times 0.001 + 0.001 \times 0.001$ 

= 6.00038416 + 0.00931392 + 00008 0.03841992 + 0.0465696 + 0.000064 + 0.0000768 + 0.0003168 + 0.722304

p(+8c/+5) = 0.8173916

and the second of the second o

SHAW DECOR

A CONTRACT OF THE PROPERTY OF

## (Partier

quiz - 03

(+ consists of condition being true)

$$= P \underbrace{(+8C, +C, +T, +P)}_{P(+C, +T, +P)}$$

$$= \underbrace{\leq P(S, tSC, te, tT, tP)}_{S}$$

= 
$$\underset{S}{\neq} P(S) p(+SC/S,+C) p(+T) p(+P) p(+C+C+T,+P)$$

P(+c,+T,+P)

$$= P(tC, tT, tP) \leq P(s) P(tsC/s, tC)$$

$$= P(tC, tT, tP)$$