Bayes Networks Alarm: . rings at the top of every haver. · started by custodian. · may be broken Custodian: may fall asleep. · may go out to ver quick errands AR - alarm rings TH - top of anhour AS - alarm is started by (AS= CANCTNTH) AB - alarm is broken CA - custodian aware CI - custodian is there (not gone) (TH) AR means variable AR is true (=> ARET P(AR, AS, JAB)=X P(AR, AS, AB)=y 7 AB (7) AB = F P(AR) AB AS - if alarm is not browen and not started, it never rings 00 1 it alax mis known, it may ring regardless it is started a not if alarm is toroxen, it never rings. P(AR) AS AB alax m rings only when started and not brown 00 0 P(TH / AB, CT, CA, AR) = ZZ P(TH, CT, CA, AB, AB, AS) = dP(TAB)P(TH)P(CT)P(CA) = P(AS!TH, CA, CT)P(ARIAS, TAB) as AS=T only when all TH CA and CT are true (by def). => P(TE)TH, CA, CT)=1 and PHAS ITH, CA, CT)=0 P (ASITH, CA CT)=1 = dP(AB)P(TH)P((T)P(CA) ECASTER, P(AR IAS, AB)