BENJAMIN FARIAS V. 17642531 MINI-TAREA 4-IIC2685 O = OPEN, C = CLOSED 3 DATOS: $\rightarrow P(X_0=0) = P(X_0=0) = BEL(X_0=0) = BEL(X_0=0) = D.5$ 3 -> P(2+=0|X+=0)=0.6) -> P(2+=c|X+=c)=0.8 3 9 $\rightarrow P(X_{\xi=0} | U_{\xi=PUSH}, X_{\xi+1}=\zeta) = [0.8] \rightarrow P(X_{\xi=0} | U_{\xi=0} | U_{\xi=0} | U_{\xi=0}) = 1$ 3 t=1 > BEL (X1=0) = P(X1=0 | V1=DO-NOTHING, X0=0). BEL (X0=0) + 5 P(X_=0) V_= (1 / Xo=C). BEL(Xo=C) = 1.0.5 + (1-1) 0.5 = 0.5) -> BEL (X1=0) = P(Z1=C | X1=0). BEL (X1=0) P(Z1=c | X1=0) · BEL(X1=0) + P(Z1=c | X1=c) · BEL(X1=c) 04.0.5 + 0.8.0.5 0.6 = 0.33 BEL (X=OPEN) t=2 -> BEL (X2=0) = P(X2=0| U2=PUSH, X1=0) · BEL(X1=0) -P(X2=0 V2=PUSH, X1=C) · BEL (X1=C) 11 = 1.0.33 + 0.8.0.66 = (0.87) BEL (X=0) = P(Z=0 | X=0) · BEL (X=0) P(==0|X2=0)-BEL (X2=0) + P(22=0|X2=6)-BEL (X2=6) BEL (K2= OPEN) 0.522 0.6.0.87 06.0.87 + 0.2.0.13 = 0.548 PROARUE