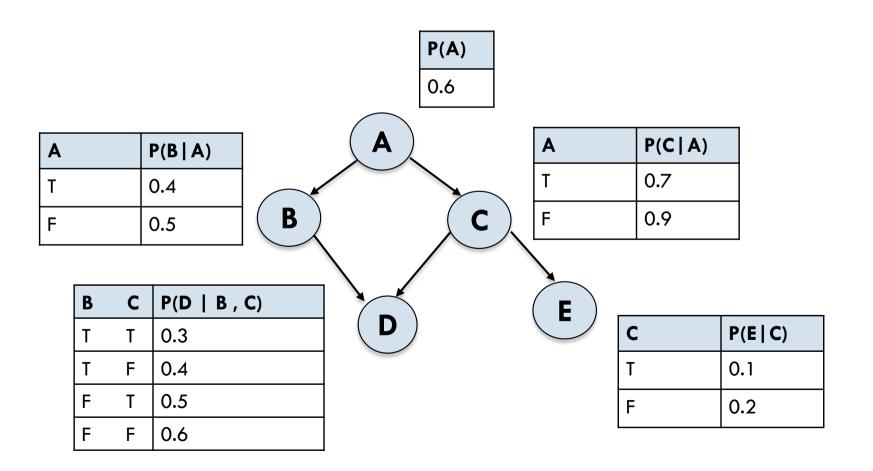
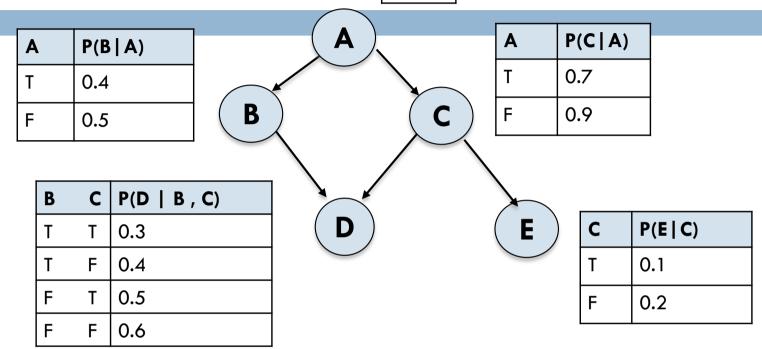
EXERCISES (BAYESIAN NETWORKS)

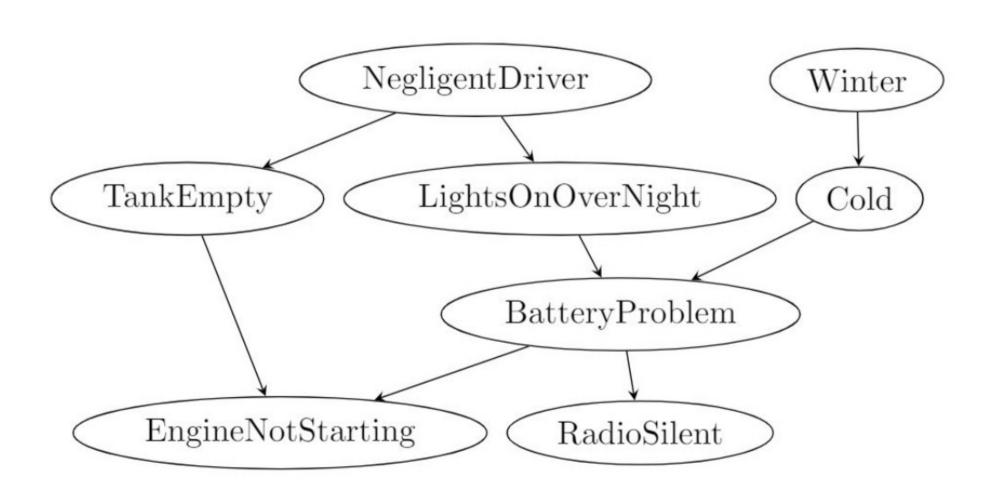
□ Given the BN below, compute P (a, b, -c, d, -e), that is P(A = true, B = true, C = false, D = true, E = false)

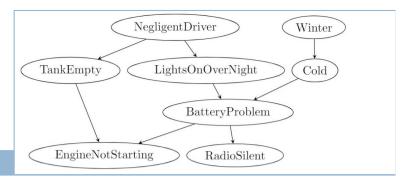


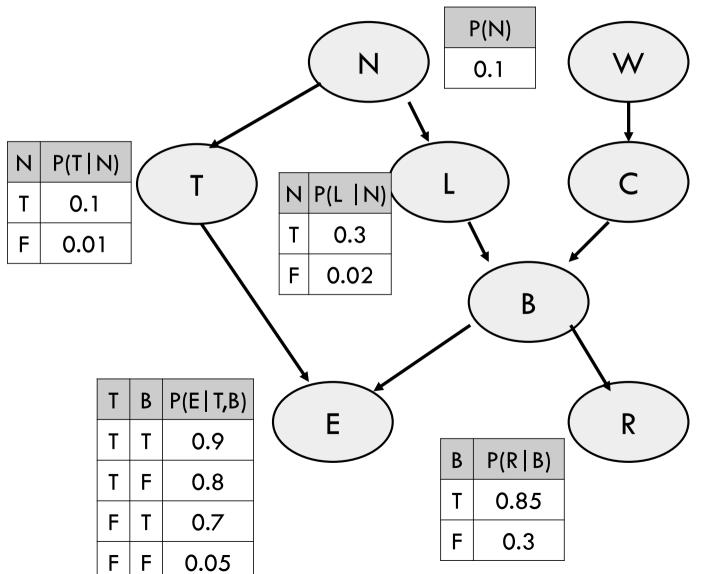




P (a, b,
$$-c$$
, d, $-e$) = $0.6*0.4*(1-0.7)*0.4*(1-0.2)$
= P(a) P(b|a) P(-c|a) P(d|b,-c) P(-e|-c)
= $0.6 \times 0.4 \times 0.3 \times 0.4 \times 0.8$
= 0.02304



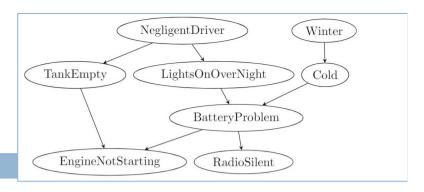




P(W)	
0.25	

W	P(C W)
Т	0.9
F	0.3

L	С	P(B L, C)
Т	Т	0.9
Т	F	0.8
F	Т	0.2
F	F	0.01



□ Given the BN below, compute P (n, t, l, -w, -c, b, e, r)

