

Question 2 cont.

I (Var, {Parents 3, {Non Descendants 3)

f) I(A, $\{\phi\}$, $\{B, E\}$) I(E, $\{B\}$, $\{A, C, D, F, C_i\}$)

I(B, $\{\phi\}$, $\{A, C\}$) I(F, $\{c, D\}$, $\{A, B, E\}$)

I(C, $\{A\}$, $\{B, D, E\}$) I(C, $\{F\}$, $\{A, B, C, D, E, M\}$)

I(D, $\{A, B\}$, $\{c, E\}$) I(H, $\{F, E\}$, $\{A, B, C, D, C, S\}$)

9) {A, B, F, C}

h) f(e,b) = 0.1(0.7) = 0.07 f(7e,b) = 0.9(0.7) = 0.63 f(e,7b) = 0.9(0.3) = 0.27f(7e,7b) = 0.1(0.3) = 0.03 f(d,a,b)=0.5(0.2)(0.7)=0.07 f(d,a,b)=0.5(0.2)(0.7)=0.07 f(d,a,7b)=0.6(0.2)(0.3)=0.036 f(d,a,7b)=0.4(0.2)(0.3)=0.024 f(d,7a,7b)=0.1(0.8)(0.7)=0.056 f(d,7a,b)=0.1(0.8)(0.7)=0.504 f(d,7a,7b)=0.8(0.8)(0.3)=0.194f(d,7a,7b)=0.2(0.8)(0.3)=0.048