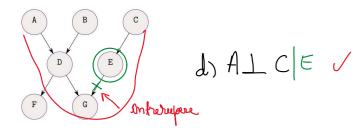
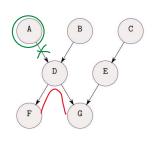
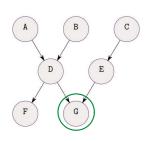
Exercitial 3:







e) F_G (A F,D,G couzé comunic =) X F si G comunica prum D =>

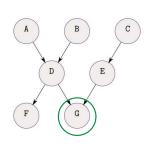


f) BLC/G X

B, D, G - lant (B $\angle G$)

C, E, G - lant (C $\angle G$)

D - G \(\varepsilon \varepsilon - \varepsilon \varepsilon - \varepsilon \varepsilon - \varepsilon \varepsilon \varepsilon - \varepsilon \varepsilon \varepsilon - \varepsilon \varep



g) FLC $G \times$

- Gefect pentru C=> Gobservat il activeoza pe C pt porter d'in stônga a grafulii C X D | G
 - · FID (F,D,G couzà comuna)
 - => FXC/G (Se enfluentează destoută lui)

Exercitive 5: b) $\rho(D|G \cap E) = \rho(D|G, E)$

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$$\rho(D|G \cap E) = \rho(D|G, E)$$

$$p(E) \mid 0.25$$

$$p(E|D \cap E) \mid 0.8$$

$$p(G|D \cap E) \mid 0.8$$

$$p(G|D \cap E) \mid 0.8$$

$$p(G|D \cap E) \mid 0.8$$

$$p(G \cap E \cap E) \mid 0.25$$

$$p(G \cap E) \mid 0.8$$

$$p(G \cap E) \mid 0.8$$

$$p(G \cap E \cap E) \mid 0.8$$

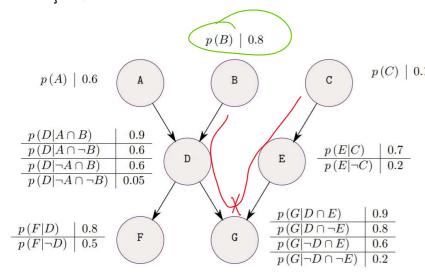
$$p(G \cap E$$

Lab Page 2

$$P(G \cap E \mid \overline{D}) = P(E \mid \overline{D}) \cdot P(G \mid \overline{D}, E) = 0.25 \cdot 0.6 = 0.15$$

$$P(E)$$

Exercitial 6:



$$|P(C)| = 0.1 \quad C \quad P(B|C) = P(B) = 0.8$$

 $\frac{p(E|C) \mid 0.7}{p(E|\neg C) \mid 0.2}$ Sanguro cole de Comunicarl ar fiprim $\frac{p(G|D \cap E) \mid 0.9}{p(G|D \cap \neg E) \mid 0.8}$ et chil Comun G, dor G nu este obstruct $\frac{p(G|D \cap E) \mid 0.9}{p(G|\neg D \cap \neg E) \mid 0.2}$ pentru 0.734

a)
$$p(B|F) = 0.827.$$

Pentru 0.734
 $p(F|B)p(B) = 0.827.$

=> aplic Bayes

$$p(FIB) \stackrel{\text{DeSC}}{=} p(FID) p(DIB) + p(FID) p(DIB) = 0.5 \cdot 0.20 = 0.00$$

$$\frac{1}{2} = 0.8 \cdot 0.78 + 0.5 \cdot 0.22 = 0.734$$

p(DIB) Desc p(DIAB) p(AIB) + p(DIAB) p(AIB) =
$$p(AIB)$$
 p(AIB) p(

$$p(F) \stackrel{\text{Desc}}{=} p(F|B) p(B) + p(F|B) p(B) = 0.734.0.8 + 0.614.0.2$$

Lab Pa

sigur

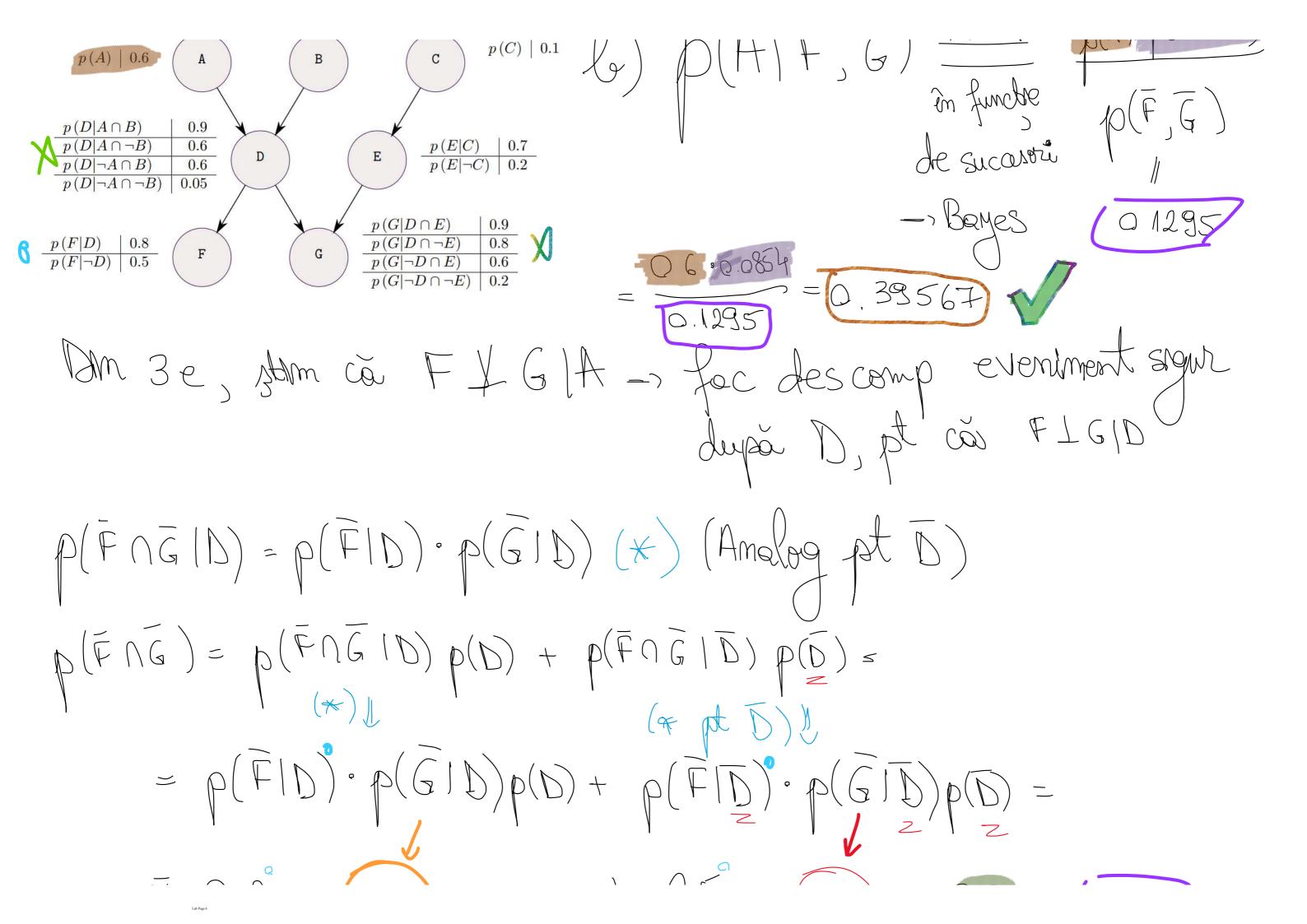
dupoù B

(ca sa mè foresc de ce calcul)

am facut deja

p(DIB) Desc ev signing p(D)AB) p(AIB) + p(D)AB) p(AIB) = p(A) dupor A p(A) = 0.6 · 0.6 + 0.05 · 0.4 z = 0.38

p(C) | 0.1 (g) D(A) F, G) Pérunte p(A) P(FrG/A)



$$= 0.2. \quad 0.175 \quad 0.7 \quad$$

Tahl

P(E) P(C) P(C) + P(E|C) P(C) = 07.01+02.0.9=025 $p(\overline{G}|D) \stackrel{\text{besc}}{=} p(\overline{G}|D, \overline{E}) p(\overline{E}) + p(\overline{G}|D, \overline{E}) p(\overline{E}) =$ signi Super = 0; [0.25 + 0,2 0.75] = 0.175 E, ELD p(F(G|A) Dm p(F(G|D)) p(D|A) + p(F(G|D)) p(D|A) =

tologia D, p(F|D). p(G|D) p(D|A) + p(F|D). p(G|D) p(D|A) =

dya D, p(F|D). p(G|D) p(D|A) + p(F|D). $\leq 0.2.$ 0.175 0.84 + 0.5

D(D|A) Desc ev signir dipà B ALB = 0.9.0.8 + 0.6.0.2 = 0.84