Da Jubeprenyo Venera - Mennena - Cullenyuzebenner a consumera begunt gubernerus Kyrtonia - lesis-1ena: USD(p19) = 1 KL(p11 p+9) + 1 KL(q11 p+9) Charember: JSD(pnq) E[O, 1] JSD(pnq) = JSD(qnp) JSD(pHq) nenazorbaen naenerbne Swym painpegerenne puq JSD (pll 9) amegerene Berga 8) KL (pliq) = Sp(x) In p(x) dx = - Sp(x) In q(x) dx = - log (Sp(x) · q(x) dx) = -log 1 = 0 => KL (pliq) > 0 => OS (PHQ) BOL B) began where contribent no KL wer ISD m. i. emenas reger when wheen Sevenys quinepeus. Henevezyeus S-score: S-score = exp (-1 (M,-M2) (2,+ 2) (M,-M2)) = = exp(-\frac{1}{2}\big(\frac{7000}{4}\big)\big(\frac{1}{7000}\big)\big(\frac{1}{4}\big)\alpha \eq \frac{1}{2}\cdot \frac{1}{2}\big) = \text{Helogo} oumand paybeen

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1 X, ~ Z'T; N(m, 5;); m~N(mo, 502), 5;2~ F(di, pi)
a) p(x,m, 521 d, B, mo, 50, T) = \(\tau(\times Times (\times 1)).
- TIT( 5: 1 ds (Bs) N(m1mo, 602) 11/99/1 (3) on dr. 10 7)7.
δ) p(m, σ2 | x, d, B, mo, σ02, π) = p(x, m, σ2 | d, B, mo, σ02, π) α p(x, m, σ2 | )
  d, B, mo, 502, N) = M ( & ni 12 no; exp (- (x; -m)2)) - M Flais Bis
~ ( \( \frac{1}{\sigma_{2}} \right) = \( \frac{1}{\sigma_{2}} \right) - \(
 6) p(x, m, 5°, 21 d, B, mo, 50, 11) = 17 (17 T; N(m, 5; 1 d, B, mo, 50))
TT ( ( ) 2 | x ; B; ) N(m | mo, Co2)
 2) q(m, 52, 2) = q(m) q(2) q(52)
       log q(m) & Eqim log p(x, m, 5; 21 x, ps, mo, 502, T) & Eqim [ 2 2 2:3 · (- 25)2)
   - (m-mo)27 2m2 1 2 2 Fain - 73 - m 2 2 Fain - 21 X1 - m2 - 252+
 + m mo = m2 1 (Am To2) + m (mo - B) = 1 (Am To2) (m2 + 2.m
   ( mo - Bm) (Am - 102) ) -> 9(m) ~ N( (mo - Bm) (Am - 2002) (Am - 2002) )
       log 9(2) & Ifa12 log p(x, m, 52, 21 d, B, mo, 502, T) & iEa/2 [2'2'2; (
  10g h; - 10g at -10g o; - (x;-m)?)] & 2 2 2; (10gh; - 10g (2x) -
 - 1 Fa/2 logo; - 1 Fa/2 (x;-m)2)
         ( ( og T; ) - (x; -m) ) + & - (x; -1) (og T; 2 - B; 2 & E; T; 2 (- 2; Ealos (x; -m) 2);
 - pi) - log 5; ( 2 Fa/ 52. 21 + (d; -1))
 nenerezobarup aborrero EM-aviguemus ueusem
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chancroemb 9(2, m, 52) 8) p(x/x, B, mo, 50, E) - max 17 = (30, mo, 50, m F(T,d, 15, mo, To) = 1E a logp(x, m, 02, 21 d, 13, 502, T) = Eq[= 12/213. (log kj - 1/09 (21) - log 5; - (x; -m)2) + 21(-log T(x;) + ds log B; --2(x;-1)(0gt; - B;) - = 10g(2x) - 10gto - (m-mo)?] ad; = - F(di) + log Po; - 2 Ha log Gi = 0 = F(di) = log Di - 2 Ha log Gi $\frac{\partial F}{\partial B_i} = \frac{\partial G}{\partial B_i} - \frac{\partial G}{\partial B_i} = \frac{\partial G}{\partial B_i} = \frac{\partial G}{\partial B_i}$ 35 = - 1 + Fq (m-mo)2 = 0 => To2 = Fq (m-mo)2 (m) = (+, 0, 1) = (5 OF = Eq 2 Z; 1; + >= 0 => R; = 2 Z; Z; Des nacusperies pospenierrecenie nago Bletime nacupegerenne na 作品。A/中区编辑)及中国中国中国 (Con the Cont - A)(0 - 15) =) 4 4 (41) 4 (Cont a) (A) 109913) of English 10, 10, 11, 10, 10, 10, 10, 10, 10 (81) - (#5) pol = - 14 pol) = 5 3 3 to [(102 - 10 pol - 72 polit + 17 pol

Twelver regularing: p(4,71x) = p(41x) p(71x)

legalerenneems \$ yerebras regulerenceme

b(x, 4, 3) = b(3) b(4) b(x 15,4)

p(4, 7) = Sp(4)p(2)p(x14,7) dx = p(4)p(2) => (2) 4 4 7 regulueuror

p(x14, 2) + p(2)x)p(41x) (m. n. p(x14, 2) + p(x14)p(x12) =>

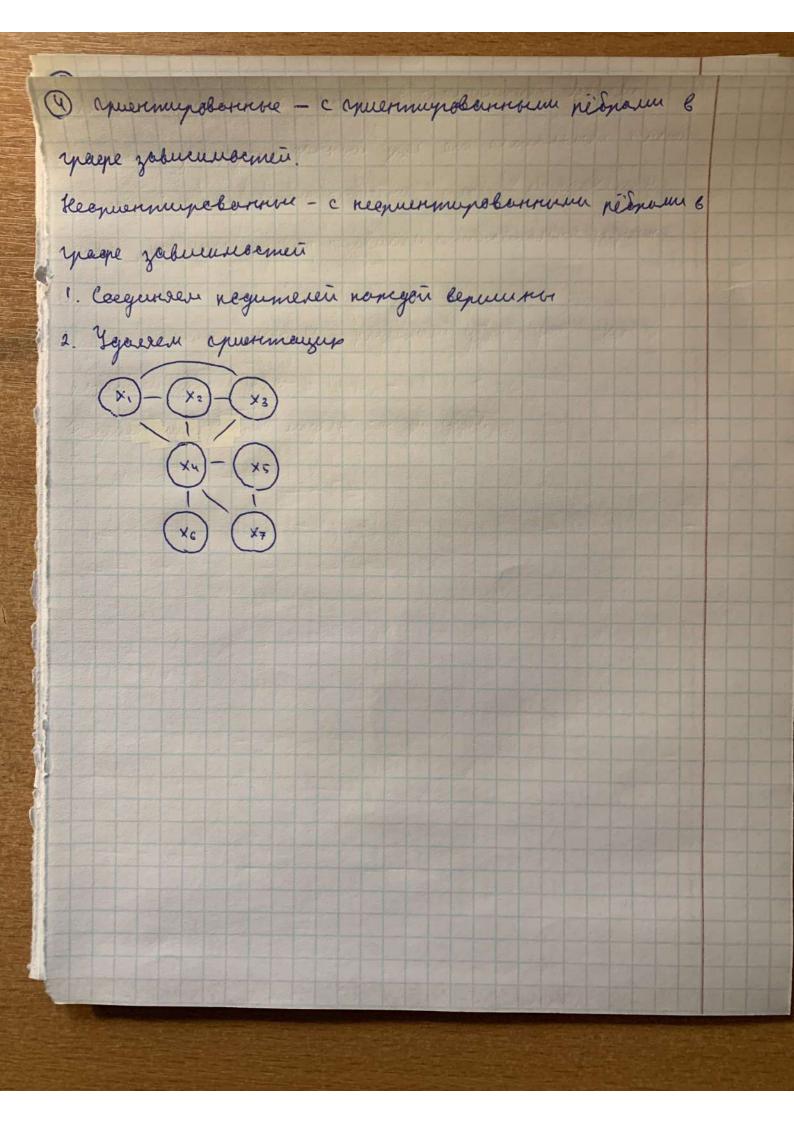
447 yerobro zabuento mu x

Yerebren regululement + regululument

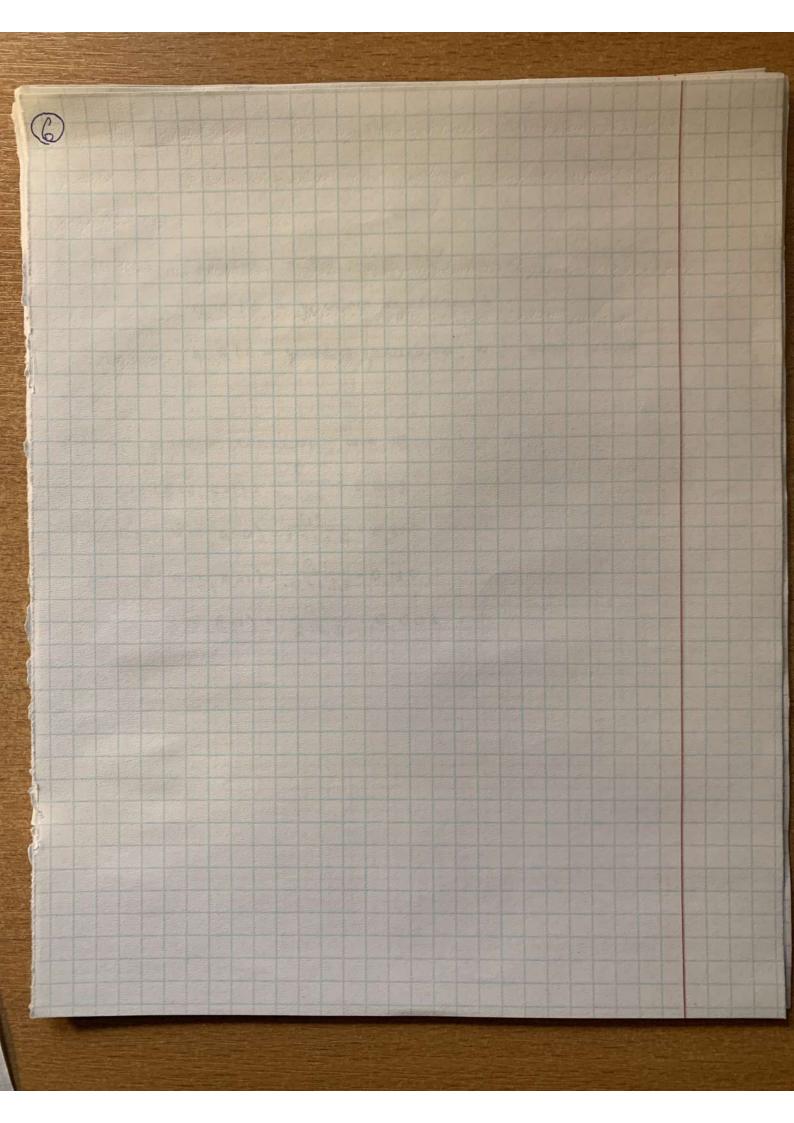
 $(X) \rightarrow (Y) = p(x)p(y|x)p(z|x)$

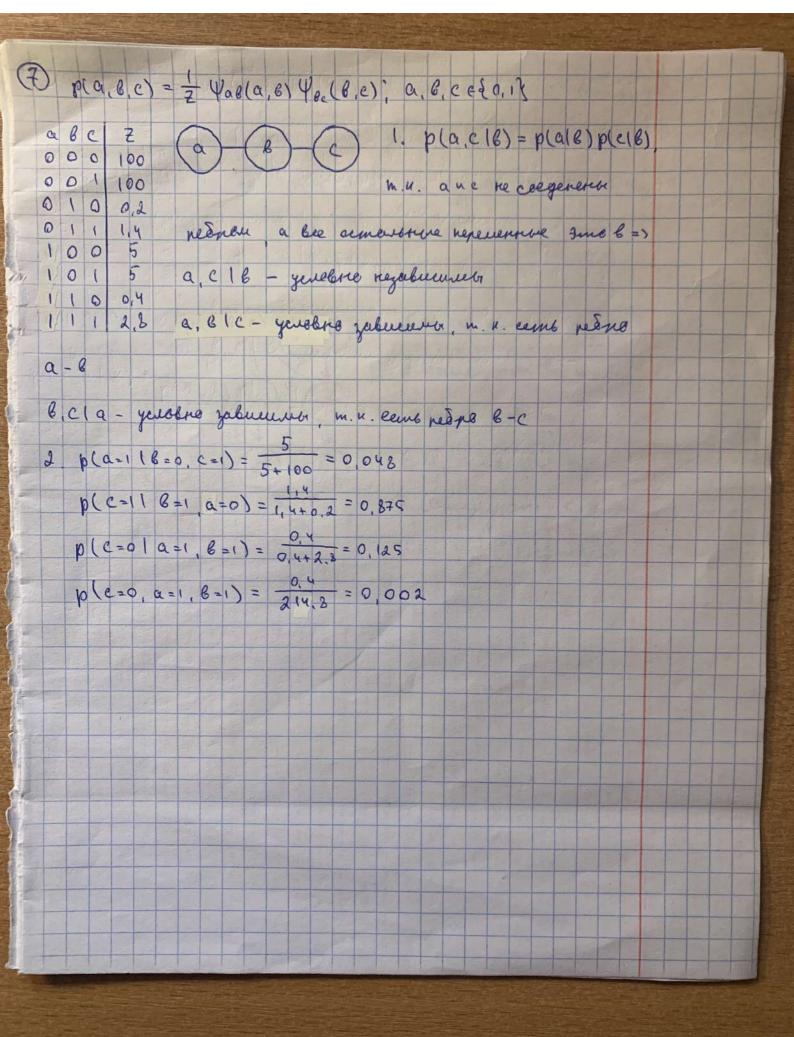
p(4, +) = Sp(x)p(41x)p(21x)dx + p(4)p(2)-1 4 4 2 yesumentor

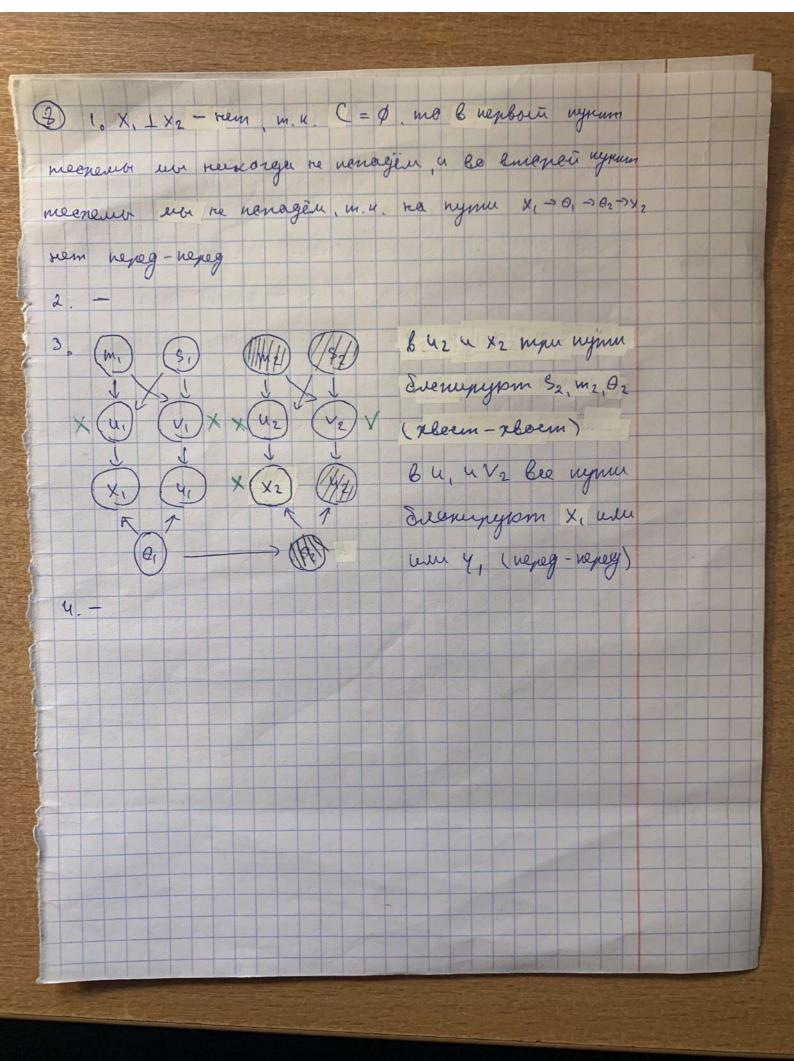
p(4, 7(x) = p(2(x) p(4(x, 2) = p(2(x) p(4(x) => 4 4 2 years no regulacione upu x



D bonnebence agentro - your le praguerement magen, петерые изанирурт данный узел от сетывыей чист marque. Een uzbeenno zoveren yzeat & vopuolenas agerise, me yet yerebne resoluciel amnacumento gregues epvennupolarne negeró: pagumera yzra, gema yzra, nogumen generi yare beenvermyabanna negers: cerego yzil







(9) a) Da zagarom. True upersnazobarum quenmunebannos magna é requenminabarroir pobox réser ne noobedence » zaguom agro u mo me бі рет, пе задарт. Тим превлазованим орменицивання magne & keepelenmyolorrevie verlassmer nobre redna => no zargasom agno u mo neo