ИУ 7-536, \$3 1/2, Романов А.В. Вар. N13. AUG NI М. В урне один бений и пять перших шаров. Ава шром no orienega bornamaiom uz ypni wap a bopharyaiom ero orienano, nocie uero mapia b ypni nenemembaiomes. Вышривиси тот, кто половий увлением бений шар. more, une bunpasa unon, hammorocepics Pemenne. A = } replum urponen bonym bewinnap ?  $H_5 = \begin{cases} bunym Senson wap \end{cases}$ ,  $P(H_5) = \frac{1}{6}$ Hy = } bunyou represent map f. P(Hy) = \$ A1 = { bunym Sewii wap nephu usponau, 1 monumung f  $P(A_1) = P(H_5) = \frac{1}{6}$ A2 = { -11-, co 2 nonsuma } P(42) = P(H5) · P(H4) · P(H4) = P(H6) · P(H4) 2 An = 2 -11-, c n-ou nomumu ? P(An) = P(H4) (An-1) P(H6) => P(A) = P(A1) + P(A2) + ... = P(H5) + P(H4) . P(H5) + P(H4) . P(H5) +  $= P(H_5) \cdot \underbrace{\left(1 + P(H_4)^2 + P(H_4)^4 \cdot ...\right)}_{\text{Geex. youb. 2eass. Tgp.}} = \underbrace{\left(\frac{1}{1 - P(H_4)^2}\right)}_{\text{T}} = \underbrace{\left(\frac{1}{1 - \left(\frac{5}{4}\right)^2}\right)}_{\text{T}} = \underbrace{\left(\frac{1}{1$ 

No. No conord closen, noglementary bogations nower, Mac No.

repequences ogua vy glyx roughly ymalanes o buge noglowe

rendunagut 11111 un 00000, moment anjumpment bepartnown

repequence source nomes bep-me modumnos manera

romesto vy curbació (1 un o) paba o.6. Tipoparamente

unio cuntous nogobore ranomagnit venamasomes nogobore

spor om goga. No beresse munimos ye-ba sarene
rondunagus 10110. Kanas rangues oura viregana

bepasture bers ?

Pemenne

$$A = \begin{cases} y \text{ pansma} & \text{ Romanagas 1010 } \end{cases}$$

$$H_1 = \begin{cases} nepegano & 11111 \end{cases} P(H_1) = 0.8 = \frac{4}{5}$$

$$H_2 = \begin{cases} nepegano & 00000 \end{cases} P(H_2) = 0.2 = \frac{1}{5}$$

$$P(A|H_1) = \frac{3}{5} \cdot \frac{2}{5} \cdot \frac{3}{5} \cdot \frac{3}{5} \cdot \frac{2}{5} = \frac{108}{3125}$$

$$P(A|H_2) = \frac{2}{5} \cdot \frac{3}{5} \cdot \frac{2}{5} \cdot \frac{2}{5} \cdot \frac{3}{5} = \frac{42}{3125}$$

$$P(H_1|A) = \frac{P(H_1) \cdot P(A|H_1)}{P(A)}, P(A|H_2) = \frac{504}{15625}$$

$$P(H_1|A) = \frac{\frac{5}{5} \cdot \frac{108}{3125}}{\frac{504}{15625}} = \frac{432}{504} \cdot \frac{2}{504} \cdot \frac{2}{504} \cdot \frac{8}{5} \cdot \frac{1}{5025}$$

$$P(H_2|A) = \frac{\frac{7}{5} \cdot \frac{3}{3125}}{\frac{504}{15625}} = \frac{42}{504} \cdot \frac{2}{504} \cdot \frac{2}{504} \cdot \frac{8}{5} \cdot \frac{1}{5025}$$

$$P(H_2|A) = \frac{\frac{7}{5} \cdot \frac{3}{3125}}{\frac{504}{15625}} = \frac{42}{504} \cdot \frac{2}{504} \cdot \frac{2}{504} \cdot \frac{1}{504} \cdot \frac{1}{5$$