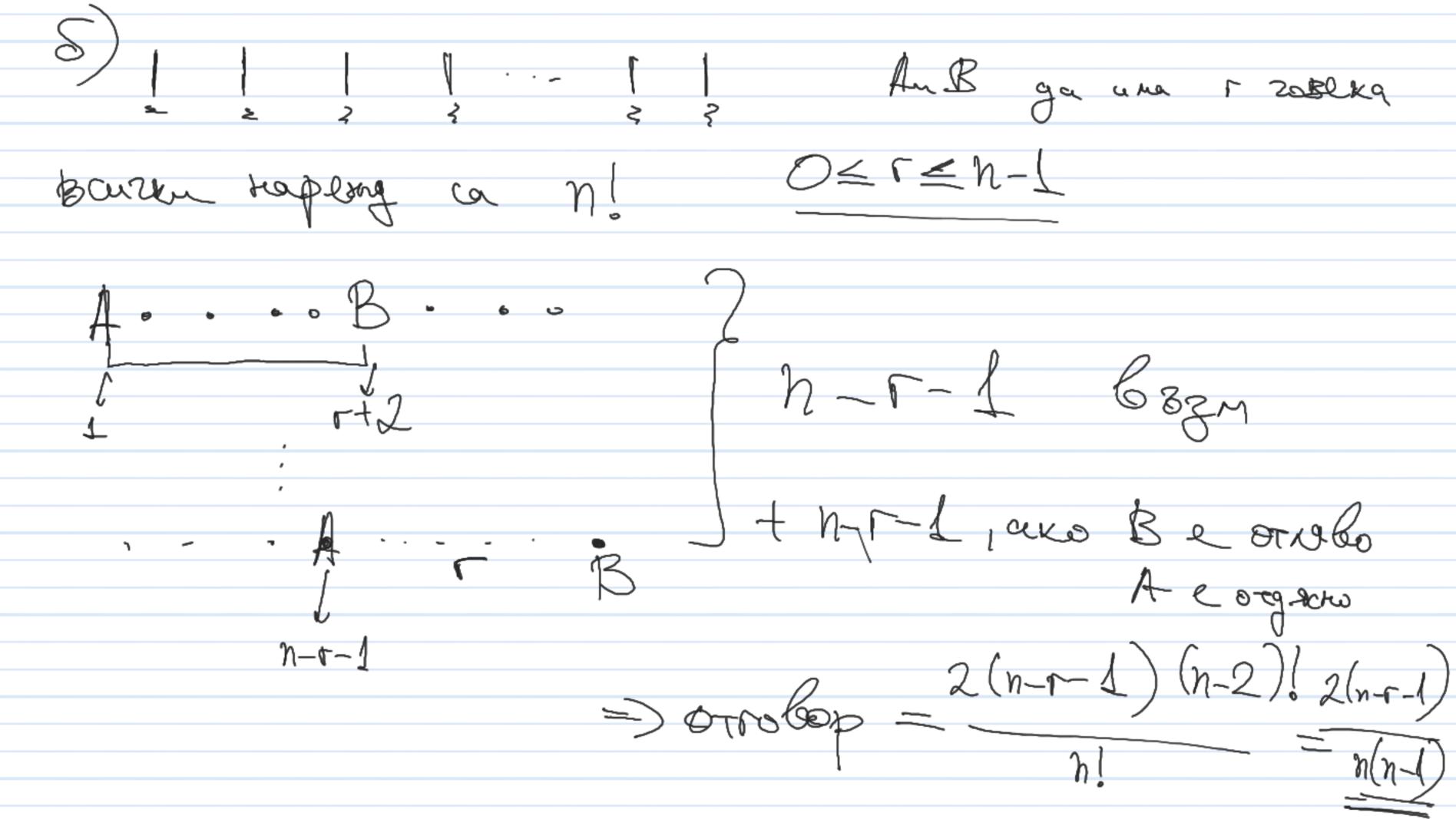
1 20 boeka le kpor, Auß ra xopa or TRIX , Au B ga una F 20 Bera) = (

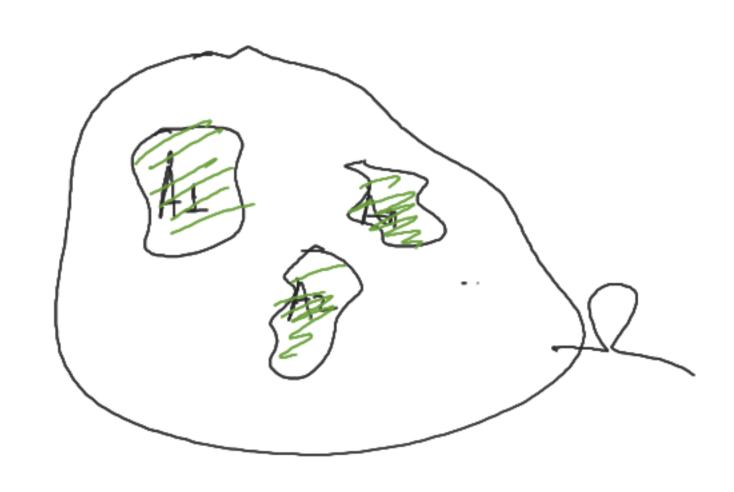


8 ARD TREALER KARCA SZ = 320,30,..,AD, - 3-52en. Acit, A= "uzternum com kapo" - 3 boures una noire 1 kapos Aro 52 e repointes, A = 2 1/- 252 $\rightarrow P(\overline{A}) = 1 - P(A)$ $P(A) + P(\overline{A}) = 1$ P(A)+P(A)-P(AVA)=P(S2)-1 $A, \overline{A} , A \overline{A} = \emptyset$

$$\mathcal{Q}_{1}, \phi$$

$$P(\Omega) + P(\phi) = P(\Omega \cup \phi) = P(\Omega) = 1$$

$$1+P(\phi)=1 \Rightarrow P(\phi)=0$$



39.5 Ypta c ronku 42,..., n u ternin nochgobateano K P(ga Terhan le 1 peg)=. a) dez Epzujatel $\int = \{(a_1, ..., a_n) \mid a_i \in \mathbb{N} \mid u \in a_i \in \mathbb{N} \}$ $a_i \in \mathcal{O} = \text{pignizion}$ $\left| \left(\sum_{n=1}^{\infty} -n \cdot (n-1) - (n-1) - (n-1) \right) - (n-1) \right|$ $A = \frac{3}{2}(a_1, \dots, a_k)|a_1 < a_2 < \dots < a_k$

n=4; 1,2,3,4 K=3; {1,3,45 TOZKO L teapeg da 1 $(L_{1}3,u)$ [(1,3,4)],(1,4,3),(3,1,4)(3,4), (4,1,3), (4,3,1) $\frac{1}{\sqrt{N-K}} = \frac{1}{\sqrt{N-K}}$

n=4 1,1,1 , 22,4 $k=3 \rightarrow 1,1,2$, 1+2+0+0 <=>1,2,2) #1-gn #2-kn ...

p= P(# t-gu = #6-gu)= [= } (a1,..., a10) aie } 1,..., 6} } 1521=620 Cromun 1-gare

Love runea Baradox HLL,.., 1910 100% uje 366 20 Beka no sopox ame egur non go eque کی می F 9 -9 201 0 23 . 366 ma ga umar 365.364.363 F. 9Hu = 365.365.865 P(i-20lake ga upar pazr. p.g.) = 365.364.363..(365-i+L) Brown 32 NOR i ropporto e 110-marko ot 1/2 1-23 e ren markono akolo.

1AUB) = [A(+ 1B) - [AAB] P(AUB)=P(A)+P(B)-P(AB) PC(jAi) = ZP(Ai) - ZP(AInAi) + ZP(AINAINAK) +(-1)P(A12---1An)

$$P(n2p3n7ga nonya nucnoro cu)$$

$$= \frac{1}{n} = \frac{(n-1)!}{n!} = \frac{1}{n}$$

$$A_i = \sum_{i=1}^{n} e nonyean nucnoro cu)$$

$$P(OA_i) = npunyun za Grau$$

$$P(A_i) = \frac{1}{n}$$

$$P(A_i \cap A_i) = \frac{(n-2)!}{n!} = \frac{1}{n(n-1)}$$

$$P(A_1 \cap A_k) = \frac{(n-k)!}{n!} = \frac{1}{n(n-1)}$$

$$P(DA_{i}) = h \cdot \frac{1}{h} = \binom{n}{2} \cdot \frac{1}{n(n-1)} + \binom{n}{3} \cdot \frac{1}{n(n-1)(n-2)} + \cdots + \binom{n}{n} \cdot \frac{1}{n(n-1)}$$

$$1 - represto = (-1 + \frac{1}{2!} - \frac{1}{3!} + \frac{1}{4!} + (-1)^{n+1} \cdot \frac{1}{n!}$$

$$\frac{1}{1-20} = \frac{1}{2}$$