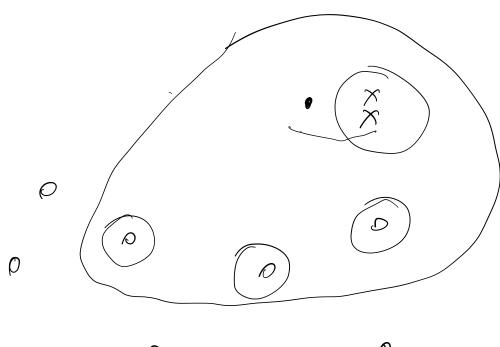
$\frac{KNN}{S:X \times X} \Rightarrow [0,+\infty)$

Oбyrenue: Banonumaen X Прерспазание: 4-новый Объемъ

 $\int (4, 2\alpha) \leq \int (4, 2\alpha) \dots \leq \int (4, 2\alpha)$ $\alpha(u) = \underset{\chi=1}{\text{ergmax}} \sum_{\kappa=1}^{K} w(\kappa, u, 2\alpha) \left[\frac{1}{2} (\alpha) - \frac{1}{2} \right]$



0

$$w(x,y,x_{w}) = K\left(\frac{S(u,x_{w})}{h}\right)$$

$$\frac{S(y,x_{w})}{S(y,x_{w})}$$

respeccuel;

$$\alpha(u) = \frac{\sum_{k=1}^{K} K\left(\frac{f(u, x_{k})}{k}\right) f(u)}{\sum_{k=1}^{K} K\left(\frac{f(y, x_{k})}{k}\right)}$$

Barem?

- 1) Nerno jasouro paccrorenea, no encueno purpuasto purpuante
- 2) ecus objestob gnoro recacos

Metpuna Munnobenowo
$$\int (z, z) = \left(\sum_{j=1}^{d} |x_{j} - z_{j}|^{p}\right)^{\frac{1}{p}}$$
1) $p = 2$ Ebrungobo metpuno,
$$2) p = 1$$
Manzo Trencuel
pacciolnul

 $g)p=\infty$ $\int_{\infty} (x,z) = \max_{j=1,d,\dots,d} |x_j-z_j|$

respura Ceronnels

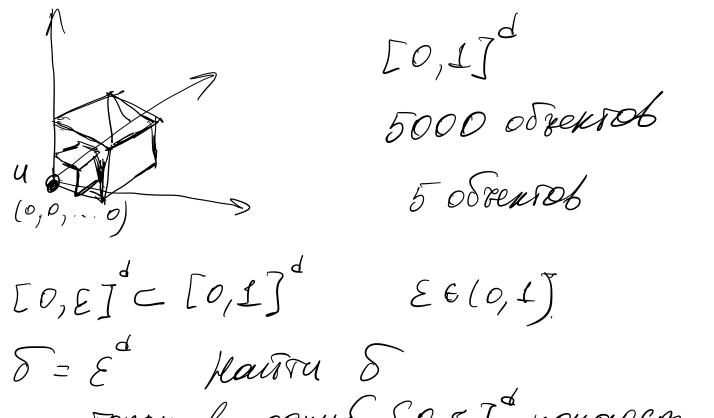
 \times \times \times \times \times \times

0 0

6) Poucosolnul Docarrapa

$$S(A,B) = 1 - \frac{AABD}{AVBL}$$

Rounesse papuepuocsy



 $\frac{5000}{5000} \times \frac{5000}{5000} \times \frac{5000}{5000} \times \frac{5000}{5000} \times \frac{5000}{5000}$ win 5i $\frac{5}{1.5}$ $\frac{5}{1.5}$

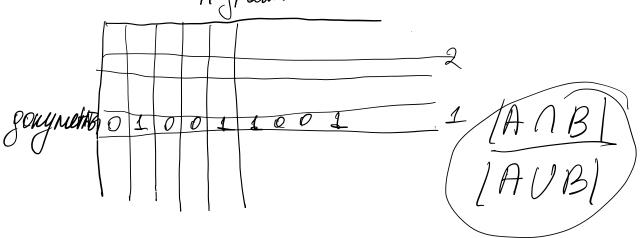
 $\delta = 0.0018$ $d = 10, \quad \epsilon = 0.53$

d = 100 E = 0.94

LSM

Min Hash LSH.

Begover: Touch Dybulet Johnson



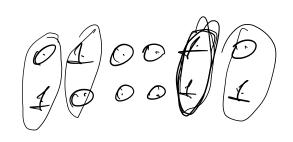
Boof Words

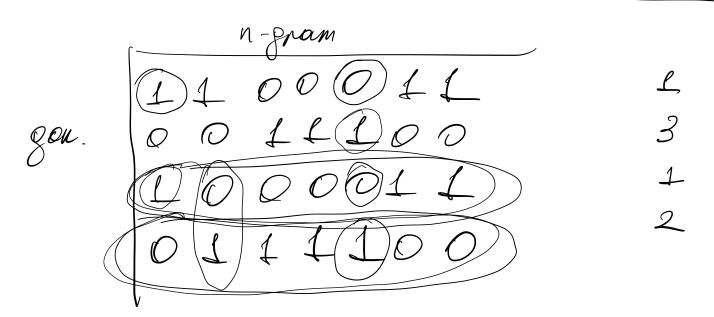
mana Mema pany

3-rgrounds

man, ama, man,

a. M,

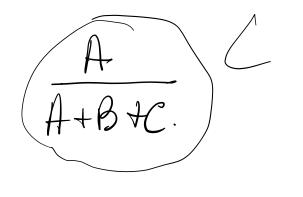


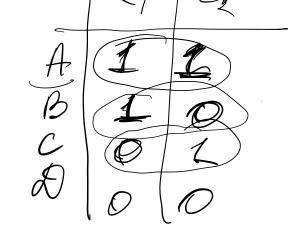


1 2 2 4 Min hash got 1
2 1 1 1 Peu neprecronda
3 2 1 1 1 1 7.

Kozop Dreau.

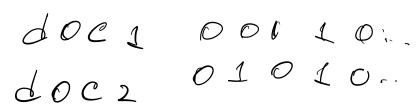
TANBI TAUBI





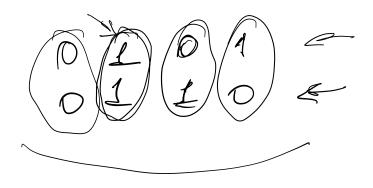


$$0 - 0$$



T-neplexanobro





1/3

LSH

 d_1 d_2 d_2 d_3 d_4 d_5 d_6 d_7 d_8 d_8

