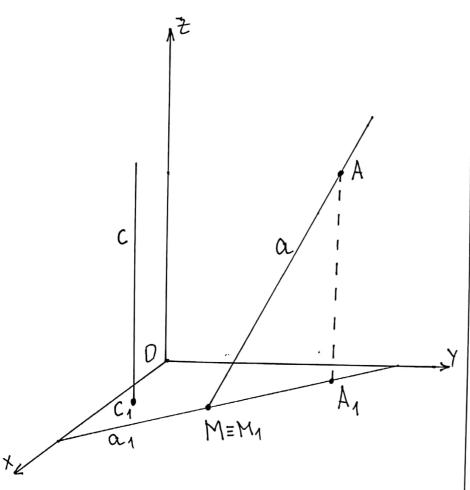
## AKCOHOMEM PUS

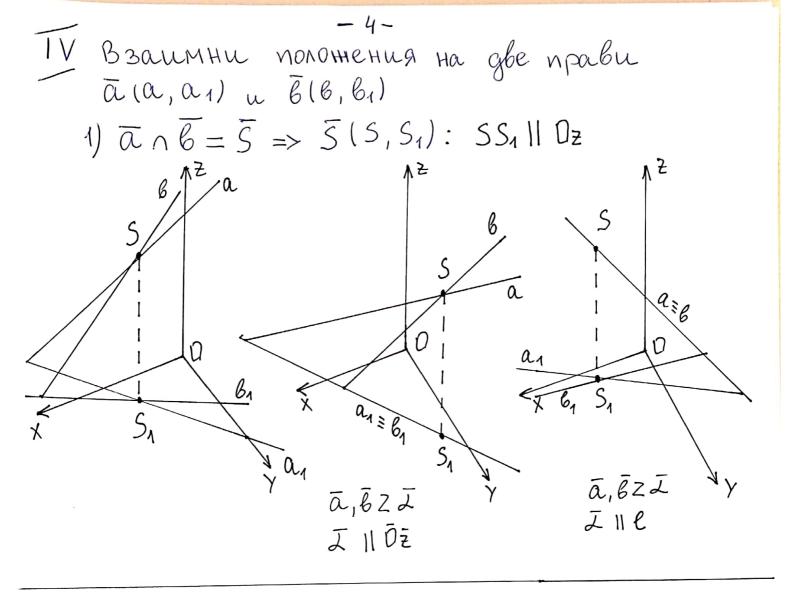
Τ Μροεκщионен αναρατ
$$\vec{K} = \vec{O}_{X}\vec{y}_{Z}^{2} - OKC$$
 $\vec{T}$  - προεκщионна равнина
 $\vec{E}$  - προεκτυραμμο направление
 $\vec{E}$   $\vec{K}$   $\vec{T}$ ,  $\vec{E}$   $\vec{F}$   $\vec{A}$  - единични точки
 $\vec{O}$   $\vec{V}_{T}^{He}$   $\vec{O}$ ,  $\vec{E}_{i}$   $\vec{V}_{T}^{He}$   $\vec{E}_{i}$ ,  $\vec{i}$  =  $\vec{I}$ ,  $\vec{J}$   $\vec{I}$   $\vec{E}_{i}$  =  $\vec{E}_{i}$  =>  $\vec{K}$  =  $\vec{O}_{i}\vec{e}_{i}\vec{e}_{i}^{2}\vec{e}_{i}^{2}$  -  $\vec{A}$  -  $\vec{A}$   $\vec{A}$ 

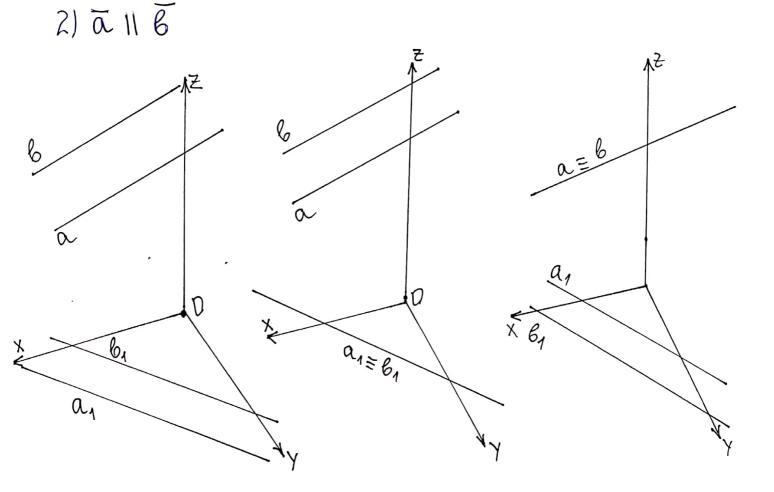
Ш Изобразяване на прави  $\overline{a}$  - права в пространството  $\overline{a}_1$  - орт. проекция на  $\overline{a}$  в  $\overline{O}\overline{x}\overline{y}$  a - образ на  $\overline{a}$  в брху  $\overline{\pi}$  при  $\overline{\Psi}_{\overline{\pi}}$  a - аксонометрична проекция на  $\overline{a}$   $a_1$  -  $a_1$  -  $a_2$  в  $a_2$  в  $a_3$  на  $a_4$  в  $a_4$  в

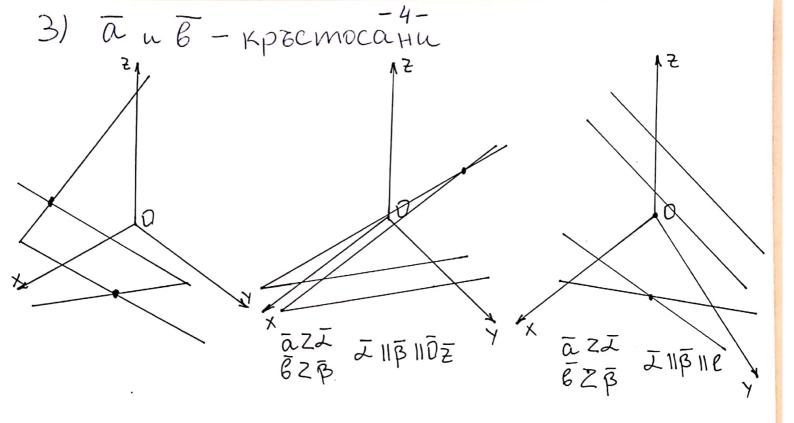


Ā(A, A1)Zā<=> Aza u A1za1

C(C,C1) L>TOUKQ (=> C 11 Oz



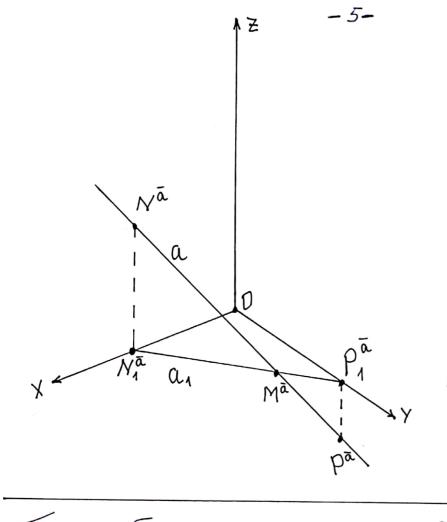




V CM ENKLU Ha npaba: 
$$\bar{a}(a, a_1)$$
  
 $\bar{a} \cap \bar{0} \bar{x} \bar{y} => \bar{M}^{\bar{a}}(M^{\bar{a}}, M_1^{\bar{a}}), M^{\bar{a}} = M_1^{\bar{a}} = a \cap a_1$   
 $\bar{a} \cap \bar{0} \bar{x} \bar{z} = \bar{N}^{\bar{a}}(N^{\bar{a}}, N_1^{\bar{a}}), N_1^{\bar{a}} = a_1 \cap a_2$   
 $\bar{a} \cap \bar{0} \bar{x} \bar{z} = \bar{P}^{\bar{a}}(P^{\bar{a}}, P_1^{\bar{a}}), P_1^{\bar{a}} = a_1 \cap a_2$   
 $\bar{a} \cap \bar{0} \bar{y} \bar{z} = \bar{P}^{\bar{a}}(P^{\bar{a}}, P_1^{\bar{a}}), P_1^{\bar{a}} = a_1 \cap a_2$   
 $\bar{a} \cap \bar{0} \bar{y} \bar{z} = \bar{P}^{\bar{a}}(P^{\bar{a}}, P_1^{\bar{a}}), P_1^{\bar{a}} = a_1 \cap a_2$ 

/Задача;
В аксонометрия е дадена права ā (a,a,).

Да се изобразят стопките на а Мостроение;



1)  $M^{\bar{a}} = M_{1}^{\bar{a}} = a_{1} a_{1}$ 2)  $N_{1}^{\bar{a}} = a_{1} n D_{X}$ 3)  $N^{\bar{a}} : \begin{cases} Za \\ N^{\bar{a}} N_{1}^{\bar{a}} & 11 O_{z} \end{cases}$ 4)  $P_{1}^{\bar{a}} = a_{1} n D_{Y}$ 5)  $P^{\bar{a}} : \begin{cases} Za \\ P^{\bar{a}} P_{1}^{\bar{a}} & 11 O_{z} \end{cases}$ 

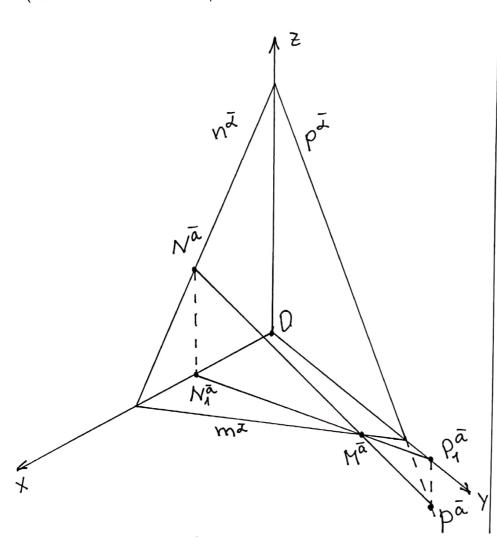
U U300 pa39 Bahe на равнина  $\overline{L}$  - равнина от пространството

следи (дири) на  $\overline{L}$ :  $\overline{m}^{\overline{L}} = \overline{L} \cap \overline{D} \overline{\chi} \overline{y} \Rightarrow \overline{m}^{\overline{L}} (m^{\overline{L}}, m_{1}^{\overline{L}}) : m^{\overline{L}} = m_{1}^{\overline{L}}$   $\overline{n}^{\overline{L}} = \overline{L} \cap \overline{D} \overline{\chi} \overline{z} \Rightarrow \overline{n}^{\overline{L}} (n^{\overline{L}}, n_{1}^{\overline{L}}) : n_{1}^{\overline{L}} = 0_{X}$   $\overline{p}^{\overline{L}} = \overline{L} \cap 0 \overline{y} \overline{z} \Rightarrow \overline{p}^{\overline{L}} (p^{\overline{L}}, p_{1}^{\overline{L}}) : p_{1}^{\overline{L}} = 0_{X}$ 

VII LLHUJUGENTHOOT HA NPABA U PABHUHA  $\bar{a} Z \bar{J} = \sum_{n=1}^{\infty} \sum_{n=1}^{\infty}$ 

Bagana: Bakcohometpus ca gagethu равнина I (mI, nI) и права a1.

Aa ce noctpou npaba a: (a,a1)-> aZZ.

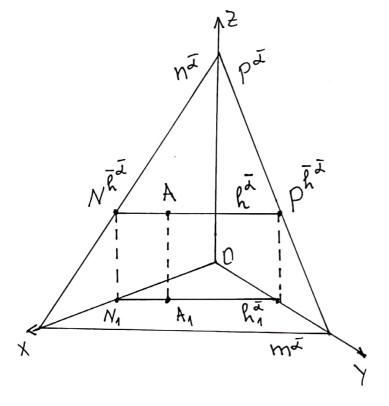


- 1)  $M^{\overline{a}} = M_1^{\overline{a}} = \alpha_1 n m^{\overline{a}}$
- 2)  $N_{1}^{\bar{a}} = \Omega_{1} \cap D_{X}$ 3)  $N_{1}^{\bar{a}} : \begin{cases} Z \wedge \bar{A} \\ N_{1}^{\bar{a}} | D_{2} \end{cases}$
- $(N N_1)$   $4) a \begin{cases} Z M^{\overline{a}} \\ Z N^{\overline{a}} \end{cases}$   $5) P_1^{\overline{a}}$   $6) P^{\overline{a}}$

VIII Инцидентност на точка и равнина Ō m<sup>z</sup>

Главна права om I cuctema 3a L [ ] | m =>

/Задача: В аксонометрия са дадени pabhuha I (mª, nª) u Toyka A1. La CE nocmpou mouka A: (A, A1) -> TZI.



1) 
$$h_{1} \begin{cases} \overline{Z} A_{1} \\ || m^{\overline{Z}} \end{cases}$$
2) 
$$N_{1}^{\overline{R}^{\overline{Z}}} = h_{1}^{\overline{Z}} \wedge \mathcal{D}_{X}$$

2) 
$$N_1^{\overline{R}^{\overline{L}}} = k_1^{\overline{L}} \wedge \mathcal{V}_X$$

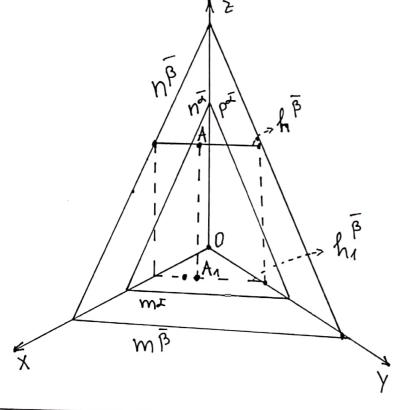
1) Baumhu nonomenug na ABE paBhuhu

Jagana: IIB (=> ma IImB, na IInB, pa IIpB

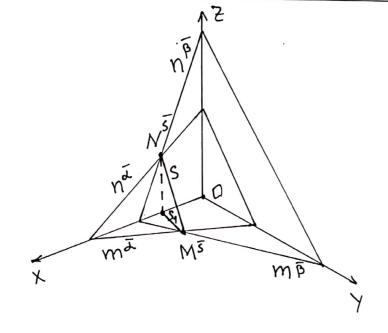
Bakcohomempug ca AaAehu I (mI, nI) u Torka Ā(A, A1): ĀZI. Aa ce uzoopazu p-ha B [ZĀ]

B{ZĀ. Uhe usnongbane hBZĀ:

尼声(尼声, 尼声), 尼声川尼草川四声川四五

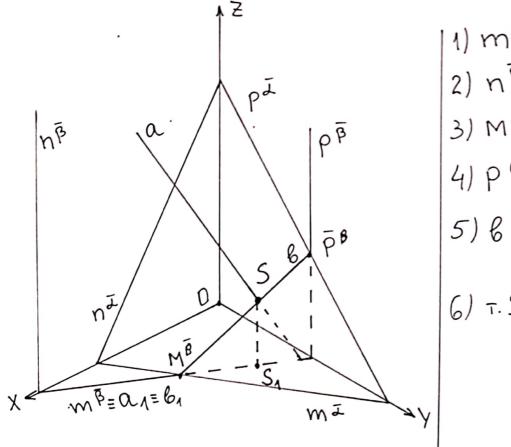


- 2)  $N_1^{\bar{R}\bar{B}} = k_1^{\bar{B}} \cap D_X$
- 3) N h B { Z R B } N N, 1102
- 5) m B, pB



 $\overline{A} \cap \overline{B} = \overline{S} = > \overline{S}(S, S_1)$ Mocmpoehue: X Пробод на права и равнина  $\frac{3 \text{ адача:}}{3 \text{ адача:}}$ В аксонометрия са дадени

равнина  $\overline{L}$  ( $\overline{m}^{\overline{L}}$ ,  $\overline{n}^{\overline{L}}$ ) и права  $\overline{a}$  ( $\overline{a}$ ,  $\overline{a}$ ):  $\overline{a}$   $\overline{L} = \overline{1}$ .  $\overline{S}$ . Да се изабрази  $\overline{S}$  ( $\overline{S}$ ;  $\overline{S}$ 1):  $\overline{a}$   $\overline{I}$   $\overline{B}$   $\overline{S}$   $\overline{S$ 



1)  $m^{\bar{\beta}} \equiv \alpha_{1}$ 2)  $n^{\bar{\beta}} \parallel p^{\bar{\beta}} \parallel \Omega_{z}$ 3)  $M^{\bar{\beta}} = m^{\bar{\lambda}} \wedge m^{\bar{\beta}}$ 4)  $P^{\bar{\delta}} = p^{\bar{\lambda}} \wedge p^{\bar{\beta}}$ 5)  $\delta \begin{cases} M^{\bar{\delta}} & , \delta_{1} \equiv \alpha_{1} \\ P^{\bar{\delta}} & , \delta_{1} \equiv \alpha_{1} \end{cases}$ 6)  $\tau \cdot S = \alpha \wedge \delta$