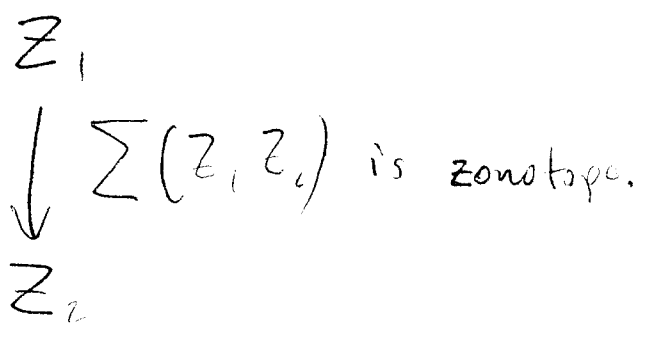
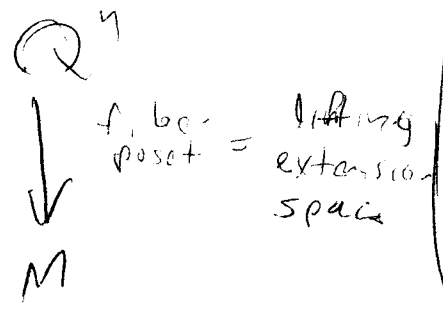


Z_i zonotopes.

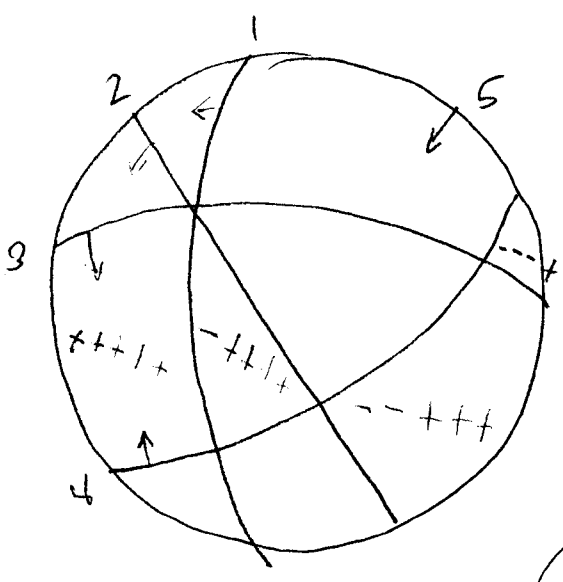


want to
 M_1 define analog
 animal (an
 \downarrow
 M_2 OM's
 (A fiber
 poset!))

Particular cases



M analog to
 \downarrow Monotone path polytope
 rank 1 (Björner)



Consistency condition?

12	13	14	15	23	24	25	34	35	45
+	+	+	+	+	0	+	-	+	+

Note: not possible
 14 24 34
 + - +

UNIVERSITY OF MINNESOTA

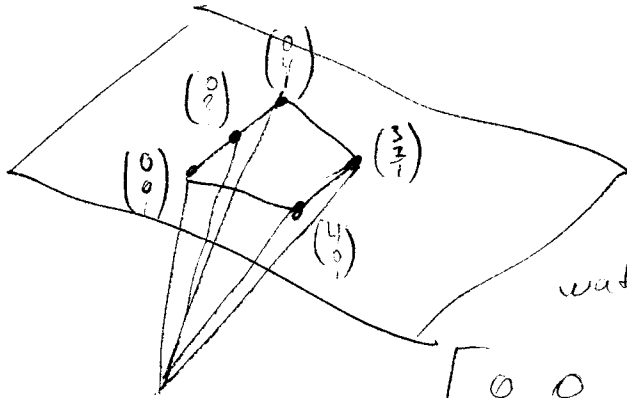
Twin Cities Campus

*The Geometry Center
Institute of Technology*

*1300 South Second Street, Suite 500
Minneapolis, MN 55454*

*612-626-0888
Fax: 612-626-7131*

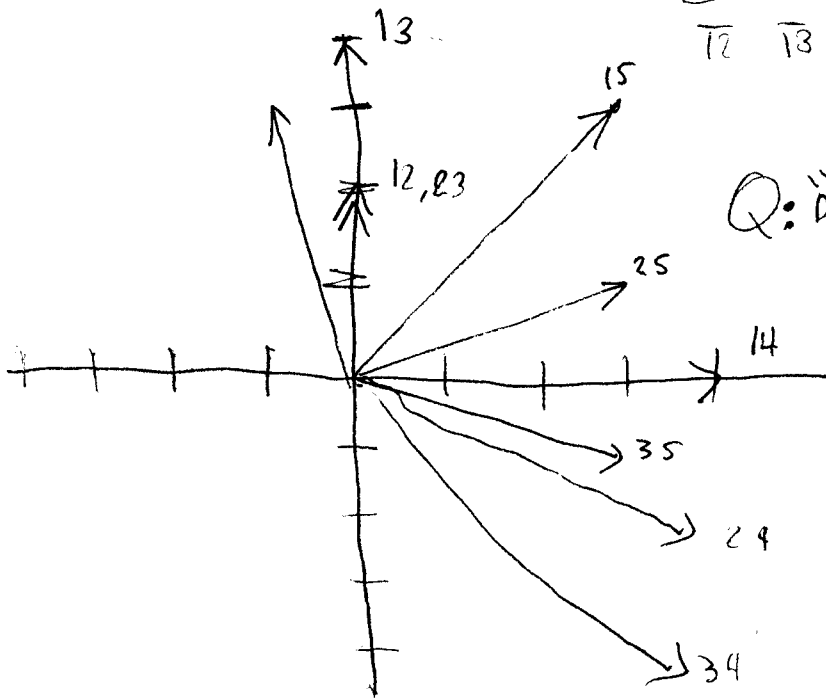
Example: (realizable case...)



watch out difference vectors!

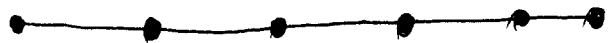
$$\begin{bmatrix} 0 & 0 & 4 & 3 & 0 & 4 & 3 & 4 & 3 & -1 \\ 2 & 4 & 0 & 3 & 2 & -2 & 1 & -4 & -1 & 3 \end{bmatrix}$$

$\overline{12} \quad \overline{13} \quad \overline{14} \quad \overline{15} \quad \overline{23} \quad \overline{24} \quad \overline{25} \quad \overline{34} \quad \overline{35} \quad \overline{45}$

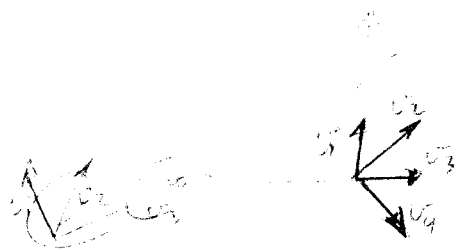


Q: Do chambers correspond to cellular simplices?

Changing it to be 3-D... add $\begin{pmatrix} 0 \\ 1 \end{pmatrix} = 6$



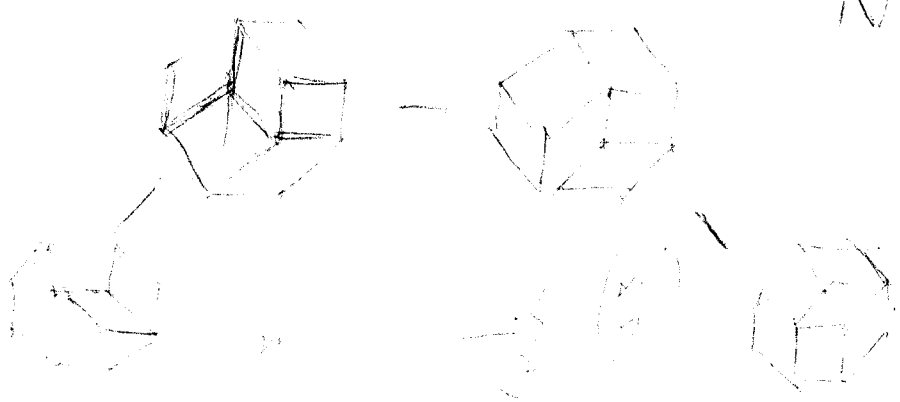
$$2^17$$



$$\begin{pmatrix} 0 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$$

Handwritten notes, possibly describing a plane or vector.

$$N = \frac{2\sqrt{2}}{3} = 1$$



Handwritten notes and calculations, including a matrix:

$$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 \\ 1 \\ 1 \end{pmatrix}$$

$$N = 1$$

$$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$$

Handwritten notes at the bottom of the page.