L3 (IUM, Spring) Feb 23, 2021 Convex Polytopes lelementory more excep elem. move

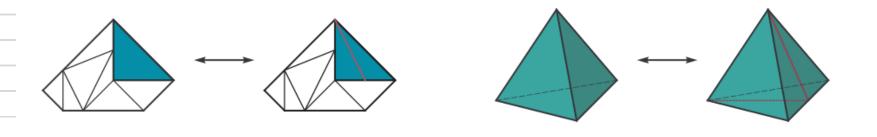


Figure 17.1. Examples of elementary moves on dissections.

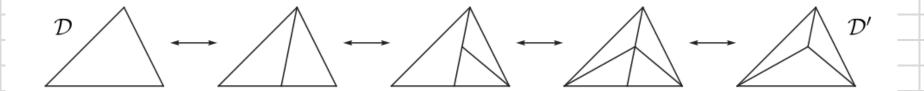
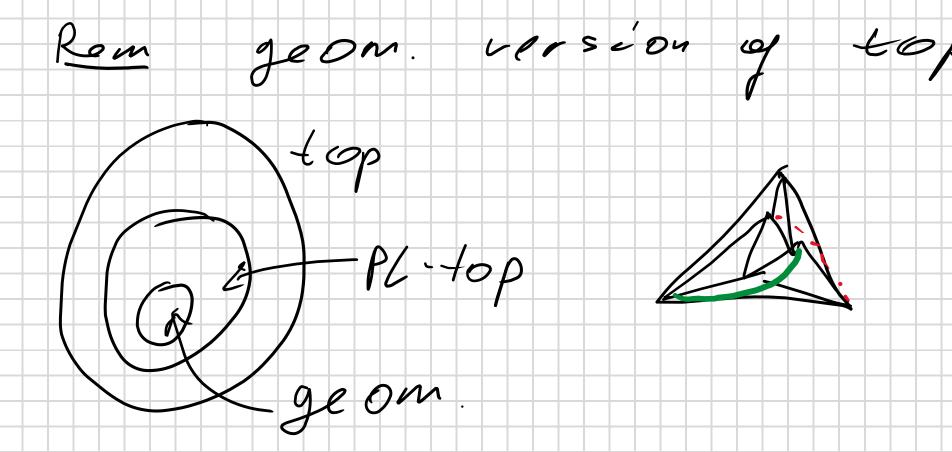
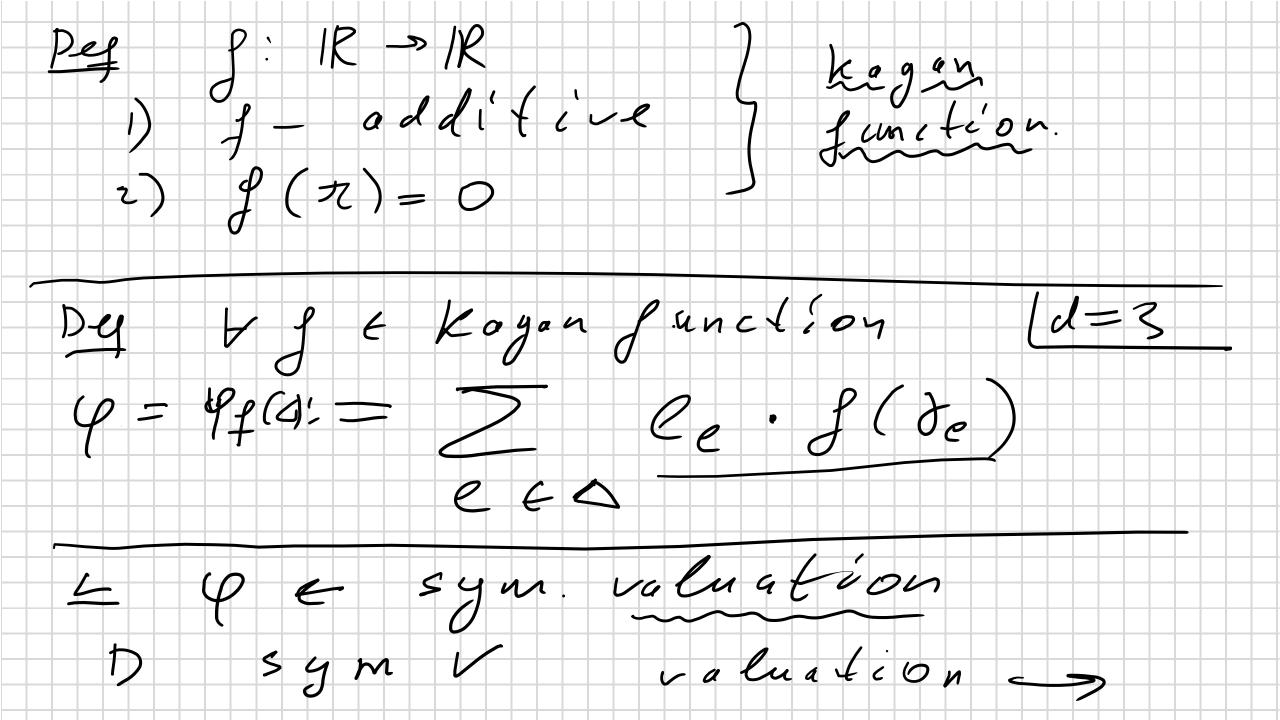


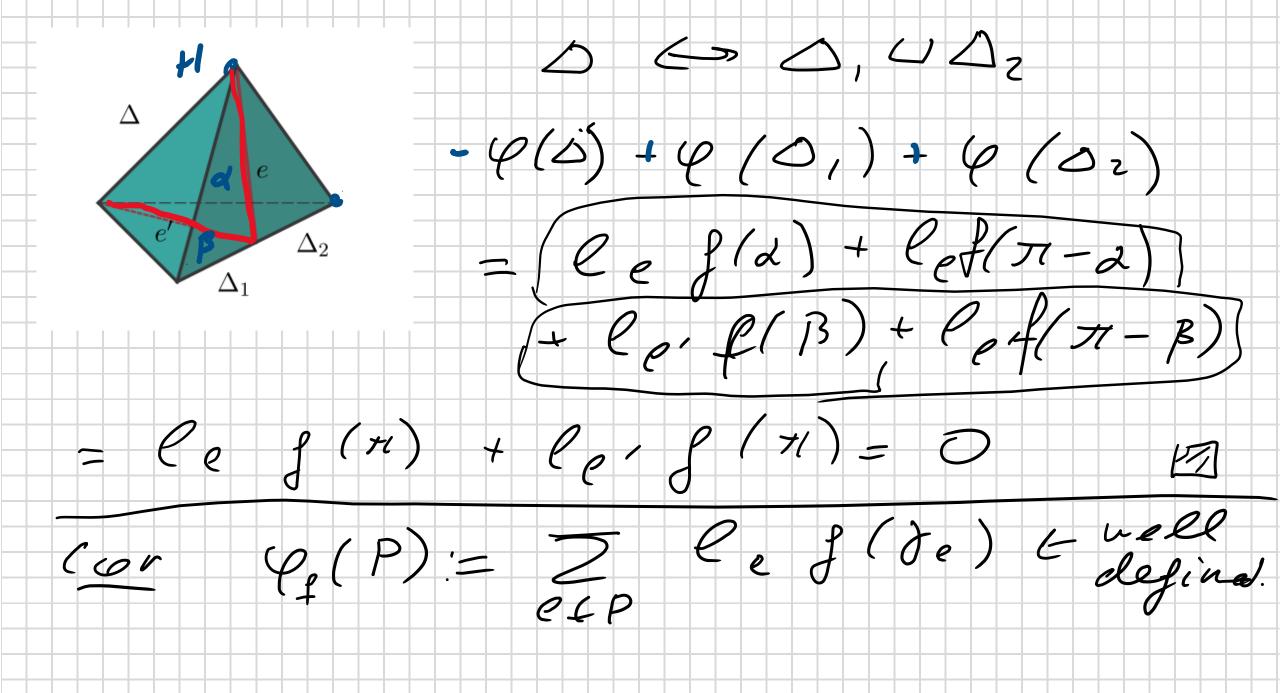
FIGURE 17.2. A sequence of elementary moves on dissections: $\mathcal{D} \leftrightarrow \mathcal{D}'$.



voluation symmetric elem nove 1 9(90)= erigid notion para elle trous l'ion

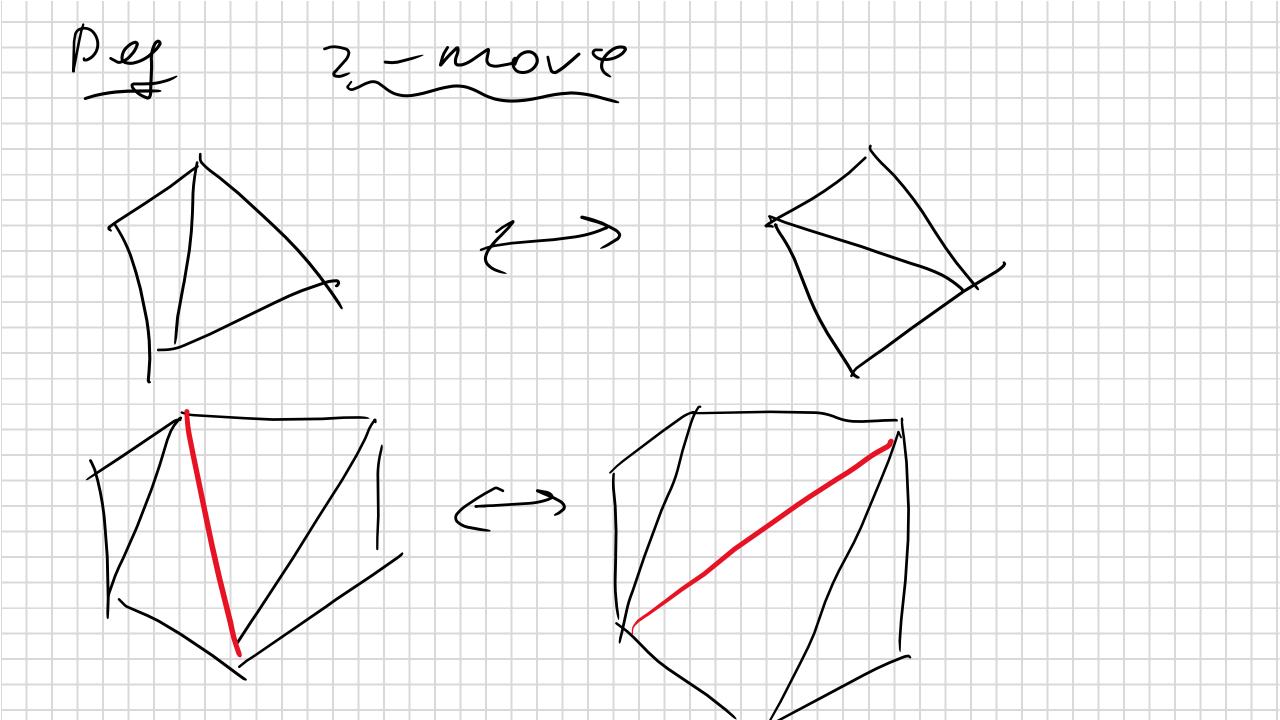
valuation Prop e sym. extends COHVEX 10 5 y M 4 V0P(P)

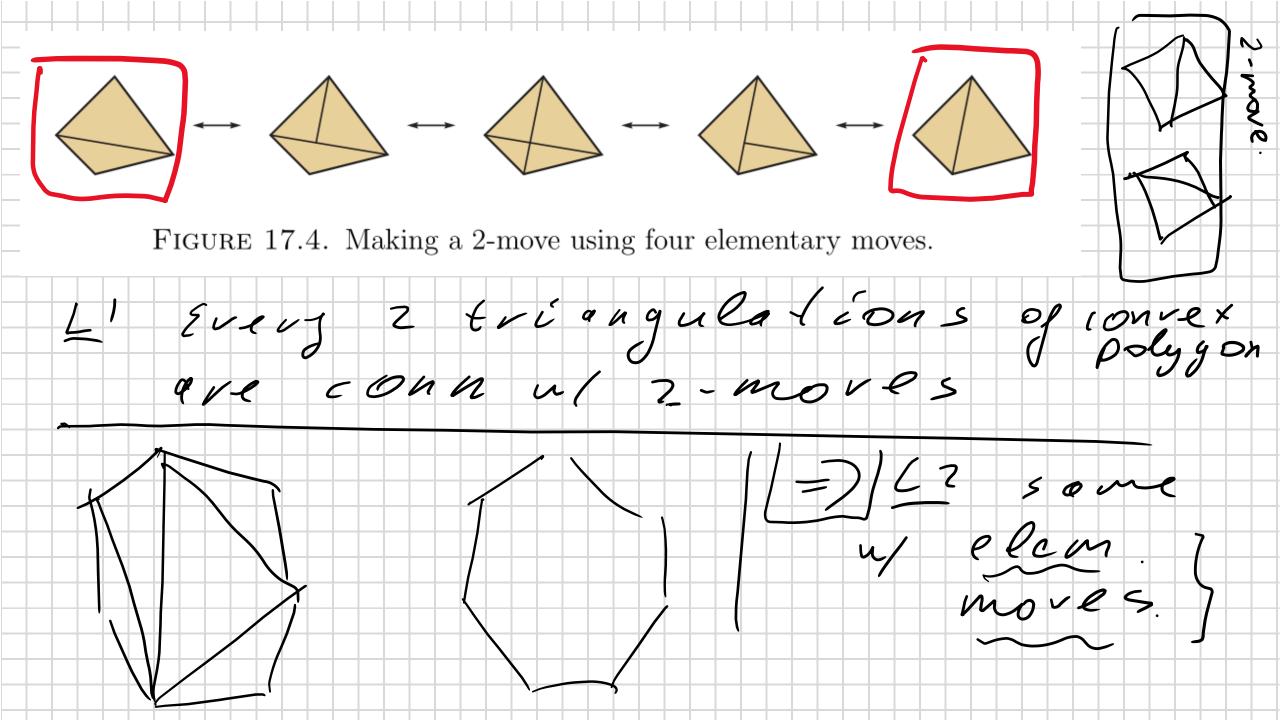




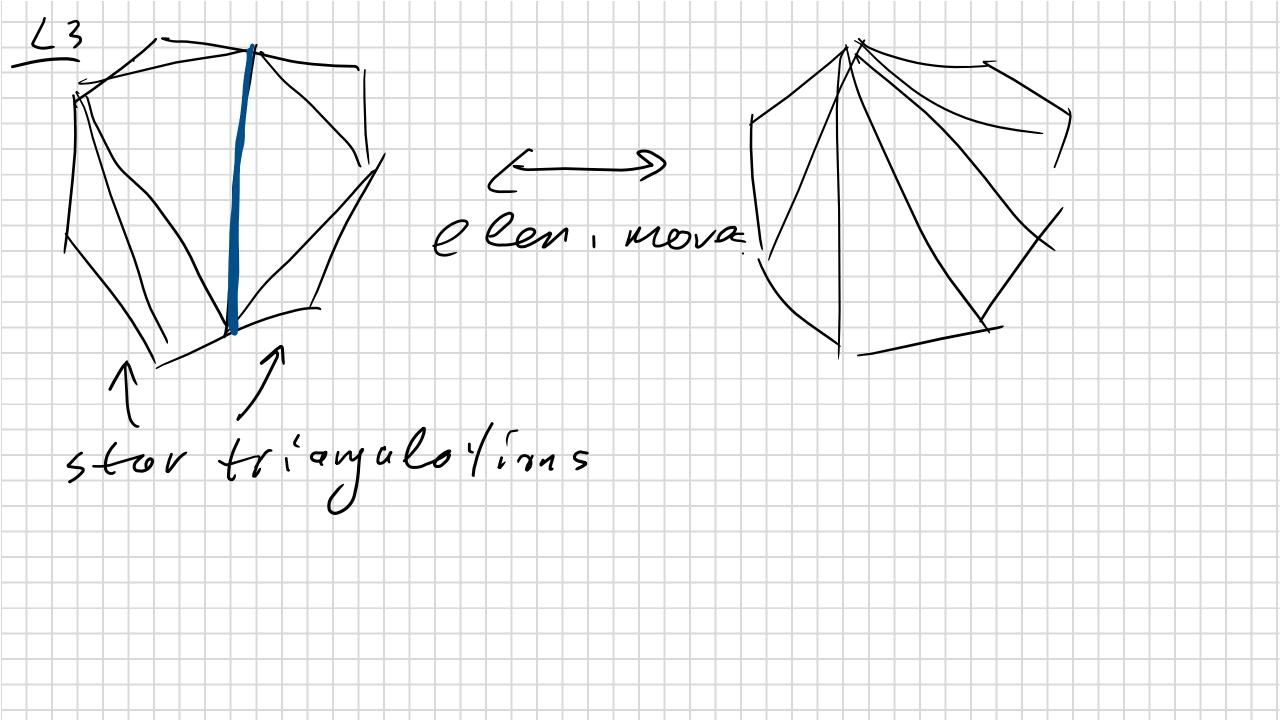
invoriont

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mecas e U & U-7-move is a sequoure et 2-mores



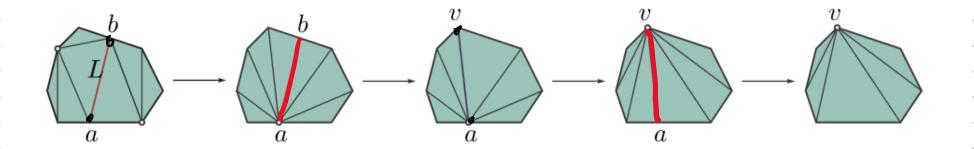


FIGURE 17.5. From two star triangulations to one.

Proof of L-R than for d=2(by induction on # polygous in)

polyhedrol subdivision

L'holygonal subdivision 2 stoutviana of clain all polygonal triony are elem, move u/ on # pdygons) induction ルミと N =

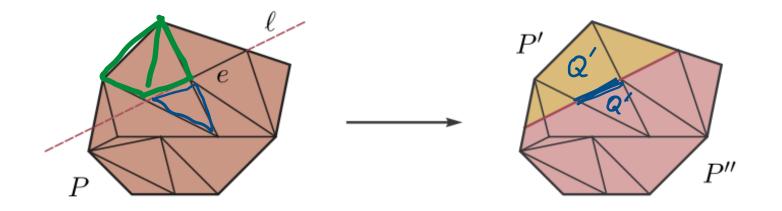
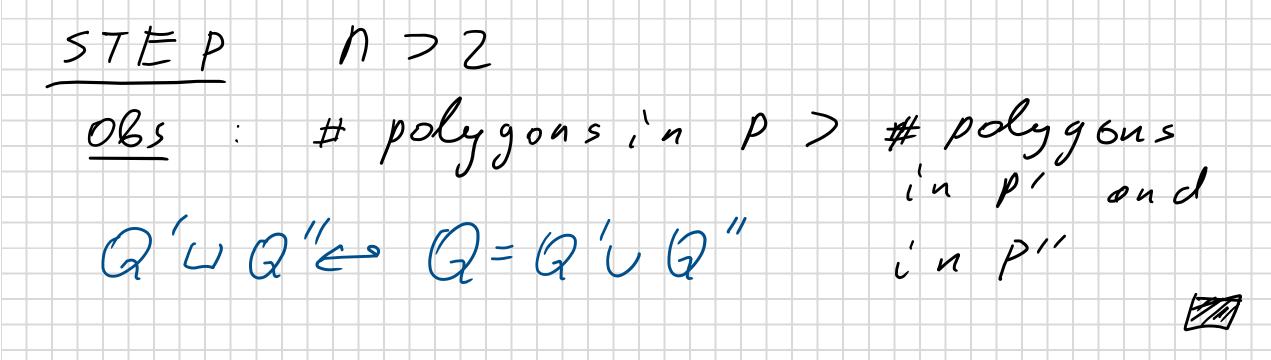
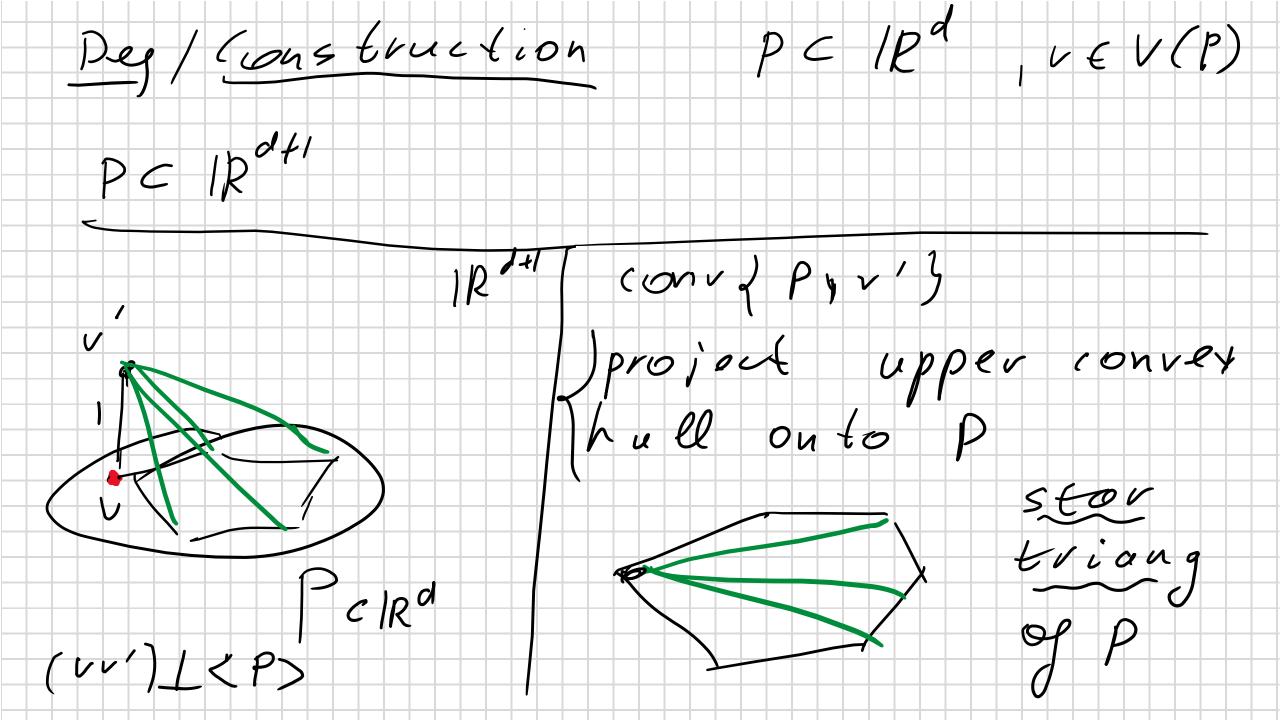


Figure 17.6. Cutting a decomposition by a line in the induction step.



LIP-con-expolytope Jestortoiong & all Dhare a common vortex cone over all foces 2 triungulat oll faces



L2 EL1 all stor triang of PCIR3
are conected by elem, mores h! V > 1R+ Eheight
function reguler triang /coherent/ he generic converhelles of v. h(v)) (x + V (P)(triang of P

