



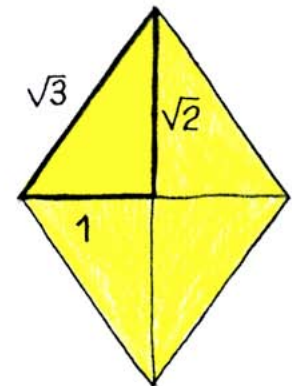
R H O M B O I D E S

CONSTRUCTION DE STRUCTURES DÉRIVÉES
DU DODÉCAÈDRE RHOMBIQUE

FABIEN VIENNE / 2007

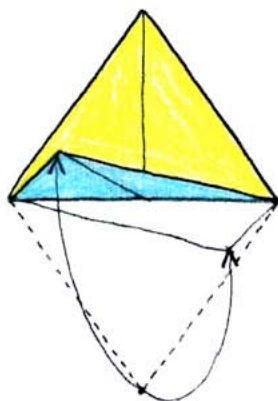
RHOMBOIDES CARACTERISTIQUES DU LOSANGE RHOMBIQUE

PROPORTIONS

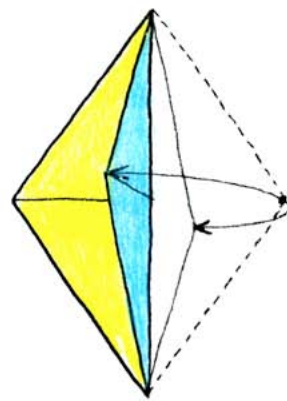


$1 = 1,000$
 $\sqrt{2} = 1,414...$
 $\sqrt{3} = 1,732...$

PLIAGES POSSIBLES

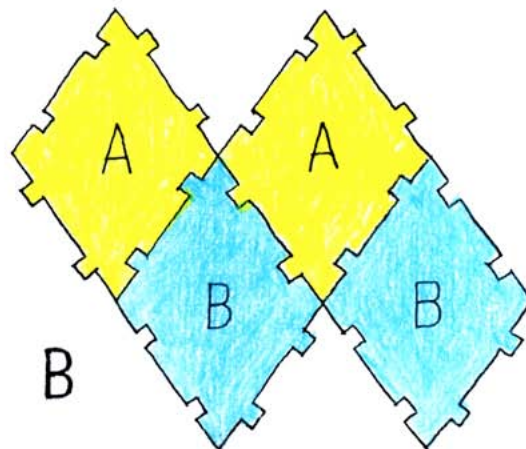
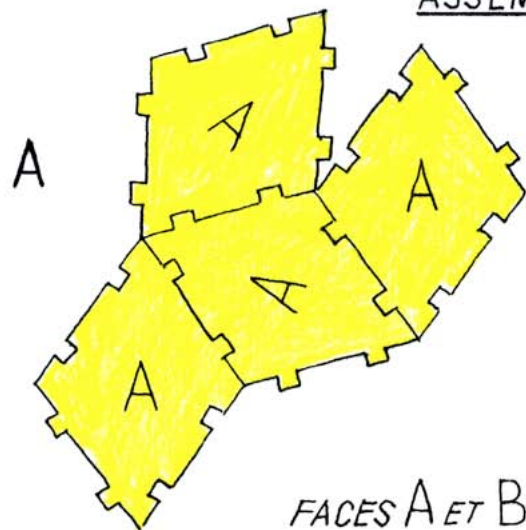


PETIT AXE



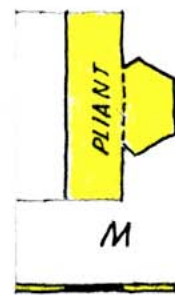
GRAND AXE

ASSEMBLAGES

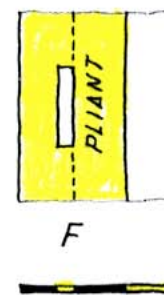


FACES A ET B OPPOSEES REVERSIBLES

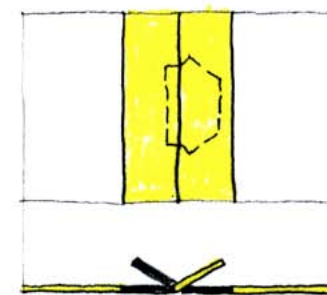
COMBINAISONS D'ASSEMBLAGE



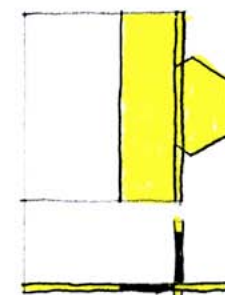
LANGUETTE M



LANGUETTE F



1M + 1F A PLAT



1M + 1F EN EQUERRE



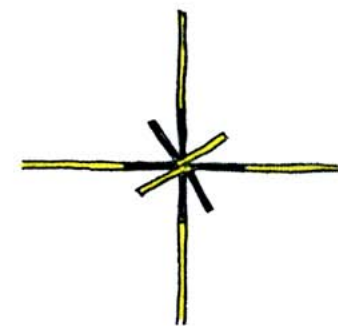
1M + 1F EN EQUERRE



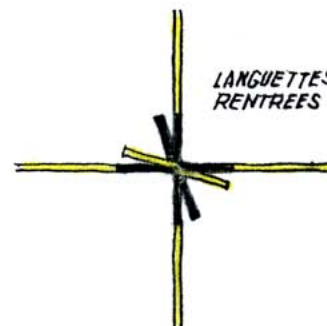
1M + 2F EN TE



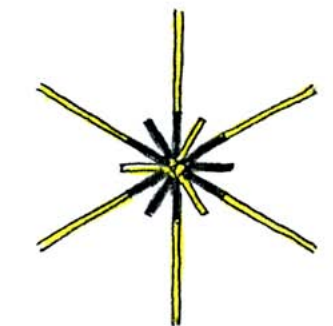
2M + 1F EN TE



2M + 2F EN CROIX



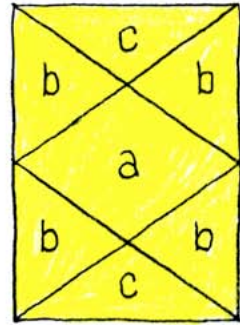
2M + 2F EN CROIX



3M + 3F EN ETOILE

DECOUPAGE

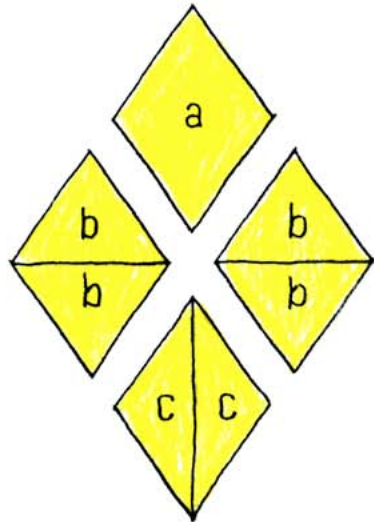
DANS UN FORMAT A4
4 LOSANGES EXACTEMENT :



FORMAT A4

- a. ENTIER
- b. PAR MOITIEES SUIVANT LE PETIT AXE
- c. PAR MOITIEES SUIVANT LE GRAND AXE

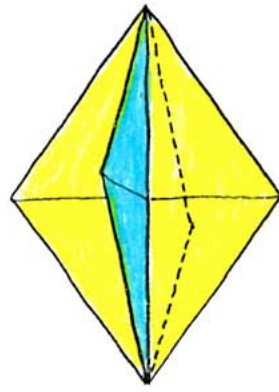
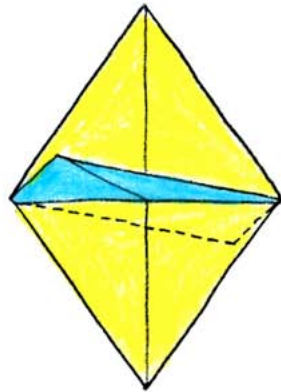
CE DECOUPAGE PERMET L'ASSEMBLAGE SUR LES AXES DU LOSANGE, IL AUGMENTE LE NOMBRE DE CONFIGURATIONS POSSIBLES SANS CREER DE PIECES DROITES ET GAUCHES CAR LES DEUX MOITIEES SONT IDENTIQUES.



4 LOSANGES

SUR LE PETIT AXE

SUR LE GRAND AXE



ASSEMBLAGES SUR LES AXES

