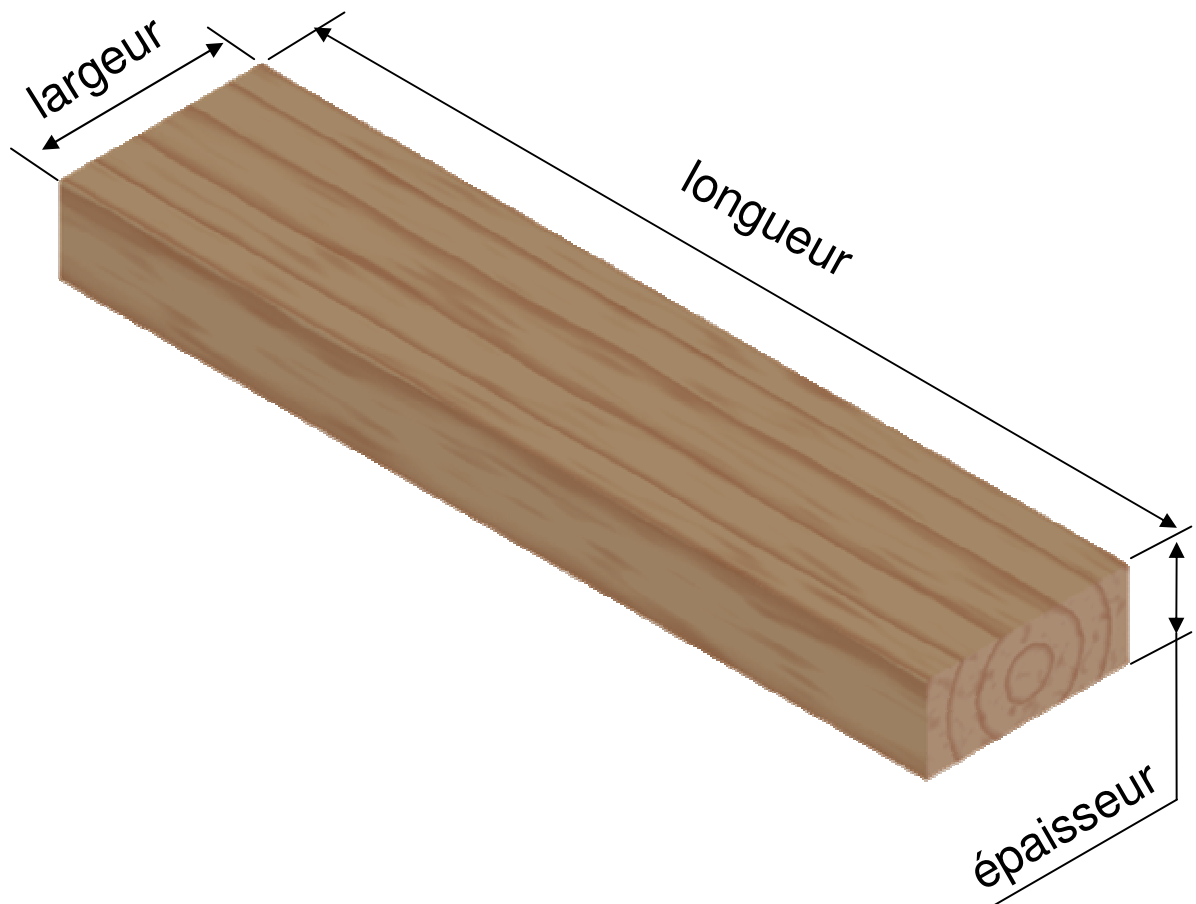
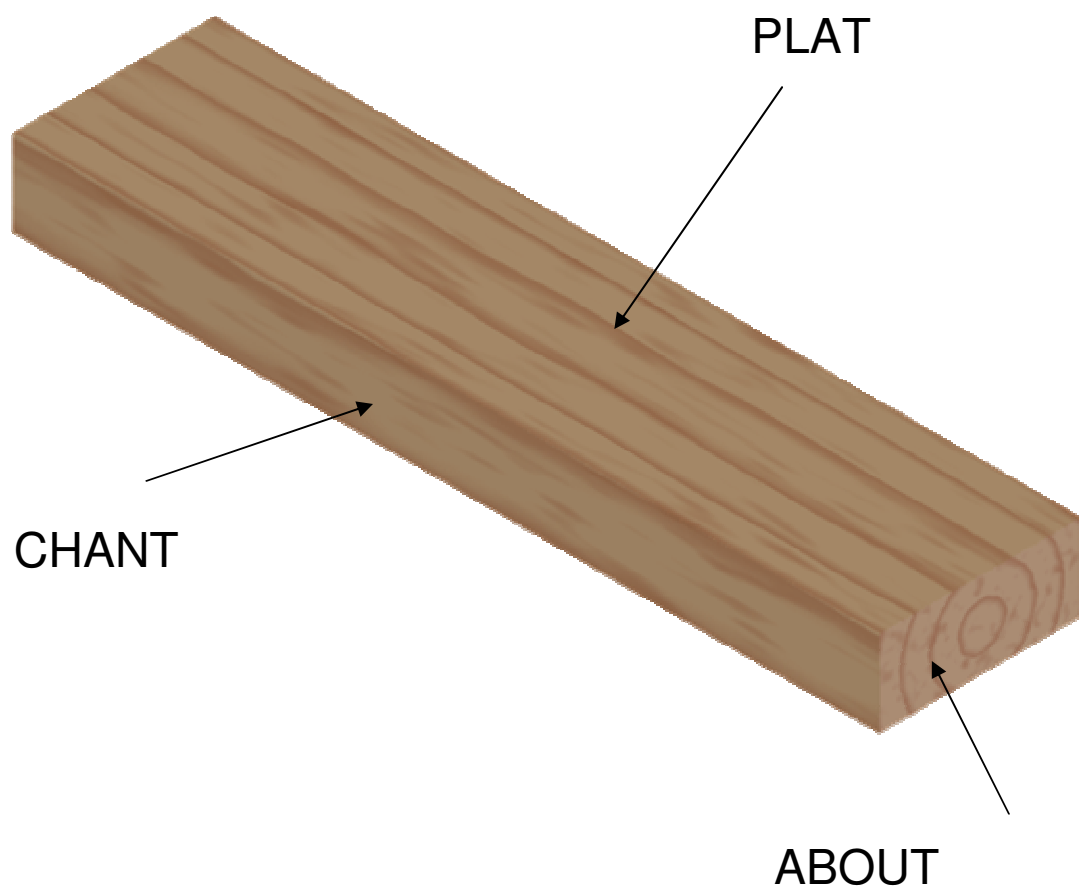
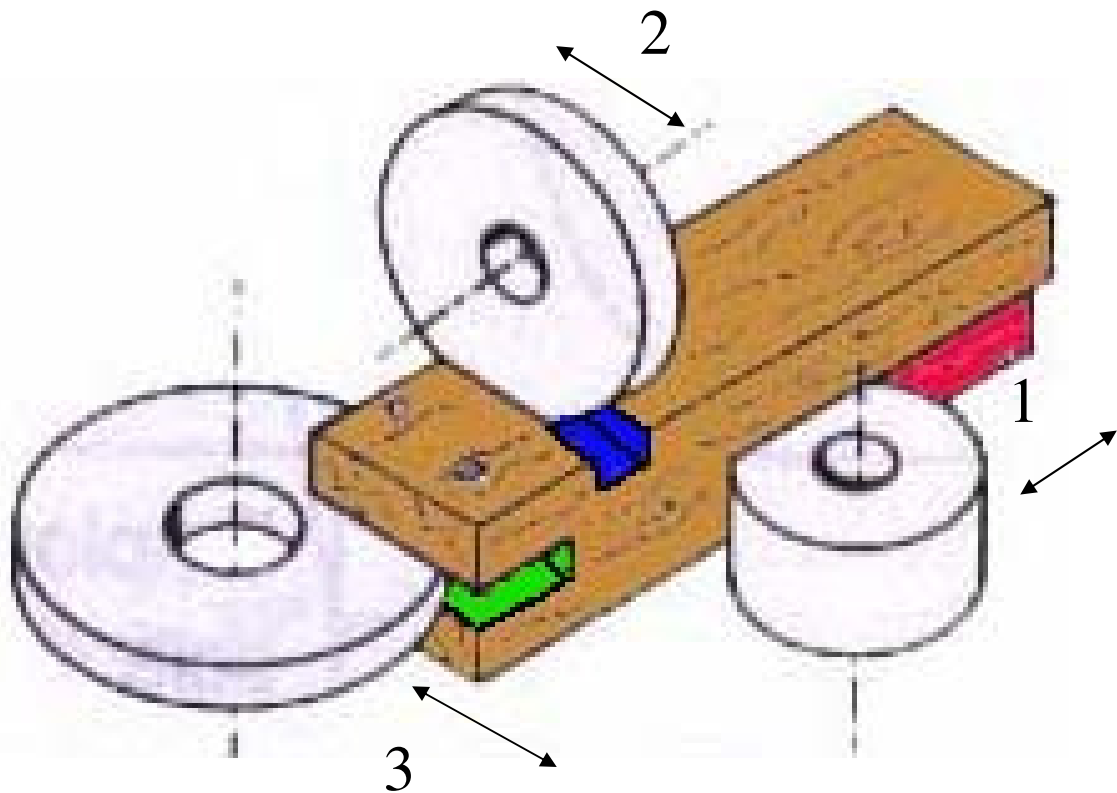








SENS DES USINAGES ET ASSEMBLAGES



1 En long

Bois de fil

2 En travers

Bois de travers

3 En bout

Bois de bout



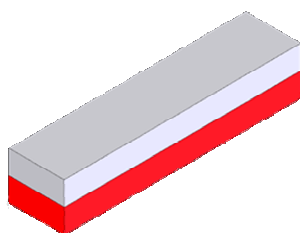
PLAT

CHANT

BOUT

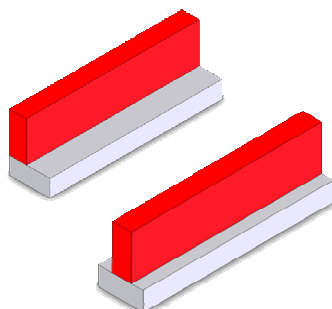
RECAPITULONS!!!

PLAT



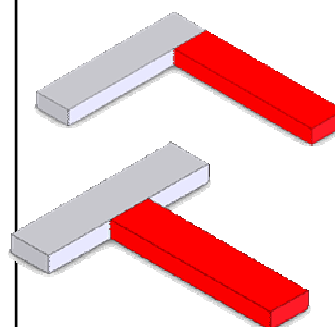
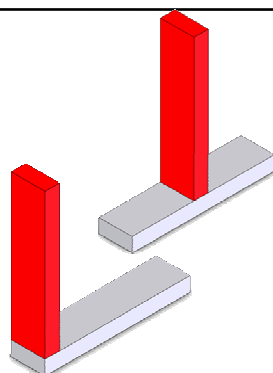
épaississement

CHANT



élargissement

BOUT



allongement



Critères de choix

Étant donné le nombre important d'assemblages plus ou moins complexes, il faut donc faire une choix en fonction:

-du sens du fil

-de la solidité recherchée

-de l'esthétique recherchée

-de la rapidité d'exécution

-du matériel disponible

-des sections des pièces



FONCTIONS

Je veux

Épaissir une pièce (ex: pied de table)

Allonger une pièce (ex: charpente, façade menuisée)

Élargir une pièce (ex: panneaux de meuble)

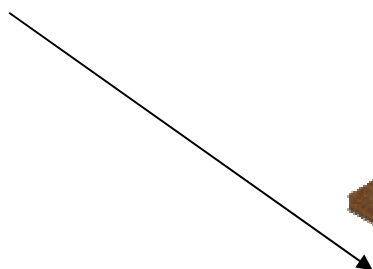
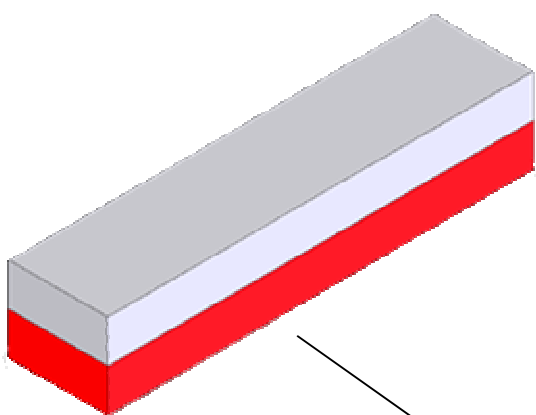
Faire un assemblage en travers (ex: caisse, cadre, tiroir...)



FONCTIONS

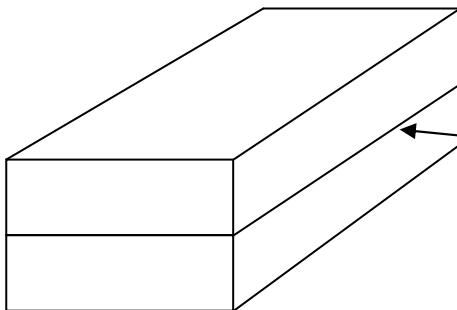
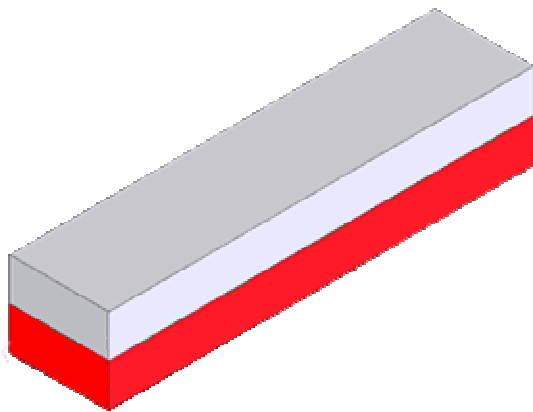
Je veux

Épaissir une pièce (ex: pied de table)





SOLUTIONS



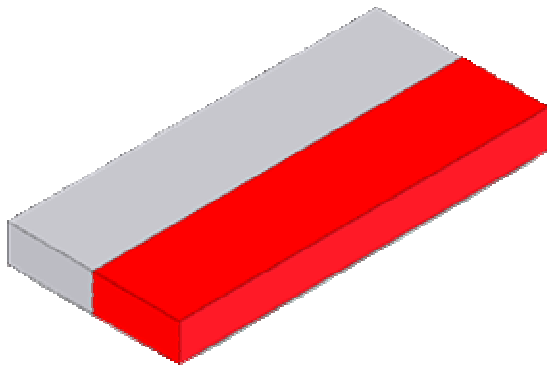
Plat joint



FONCTIONS

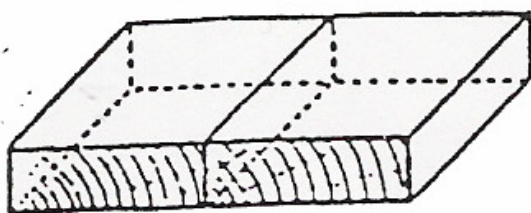
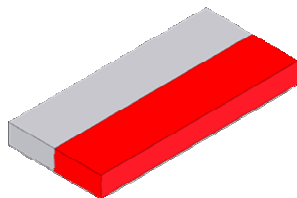
Je veux

Élargir une pièce (ex: panneaux de meuble, dessus de table)





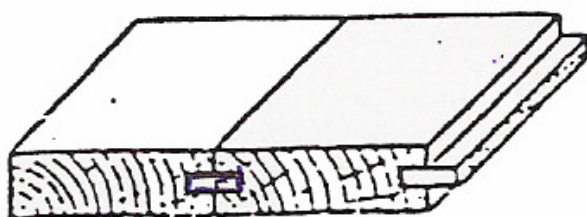
SOLUTIONS



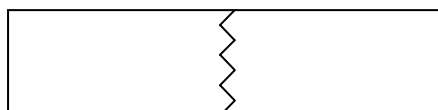
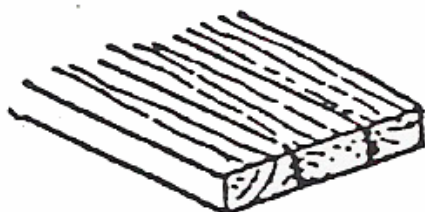
Plat joint



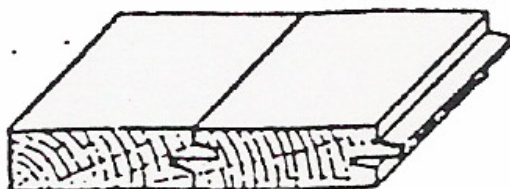
Rainure -
languette



Rainure -
fausse languette



Micro-denture



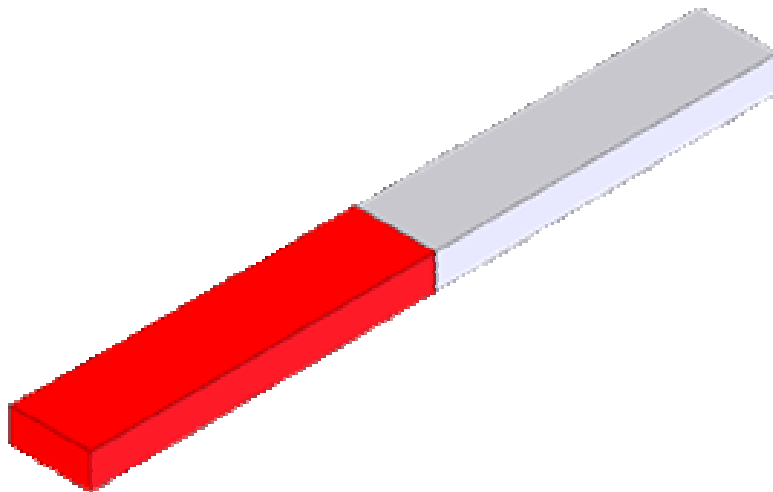
Bouvetage
symétrique



FONCTIONS

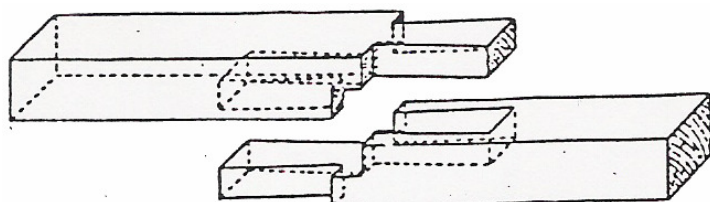
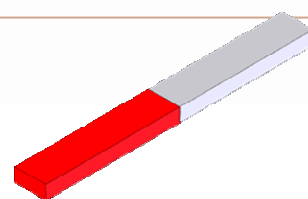
Je veux

Allonger une pièce (ex: charpente, façade menuisée)

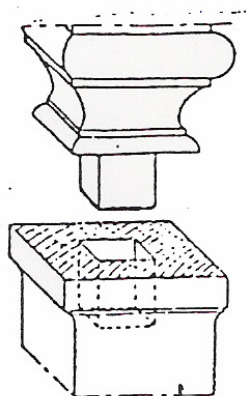




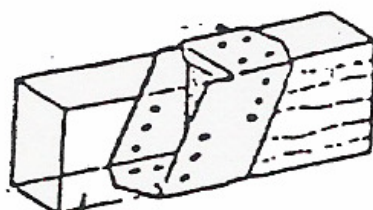
SOLUTIONS



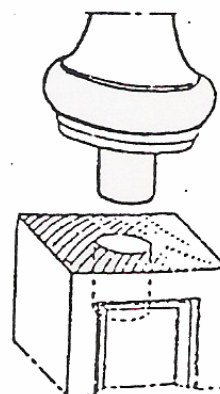
Enture à queue d'aronde



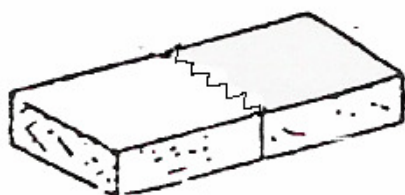
tenon-mortaise



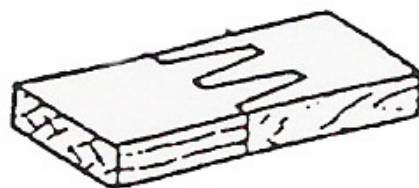
Étrier



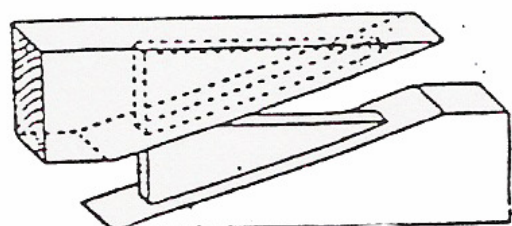
tourillon



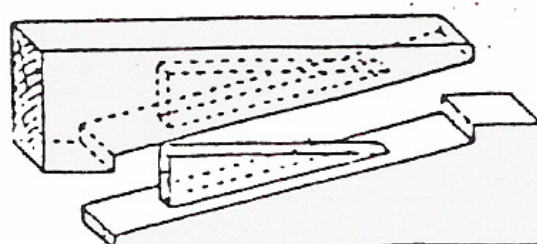
Micro-denture



Doigt de gant



Enture à sifflet



Enture à sifflet avec butée

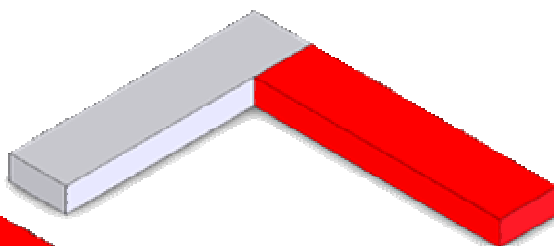
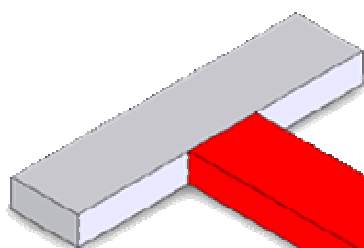
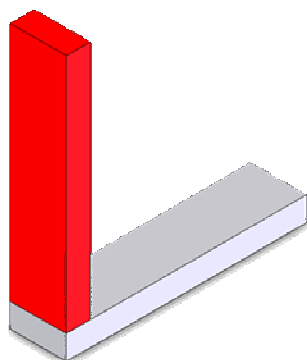
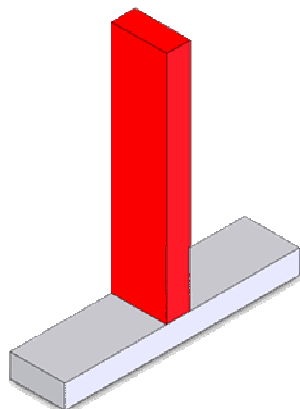
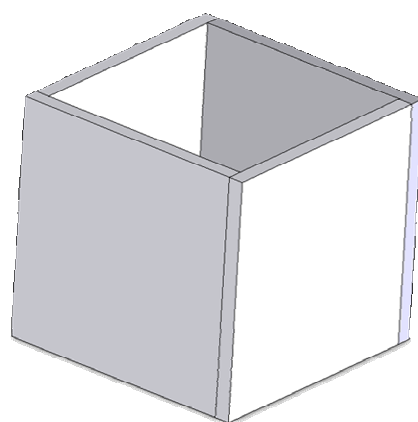
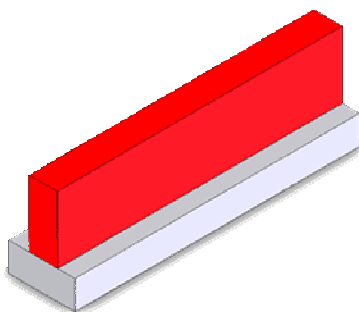
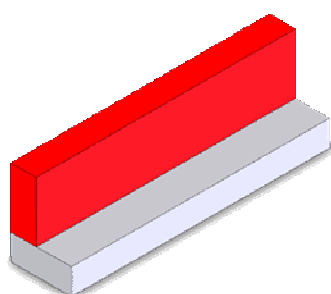


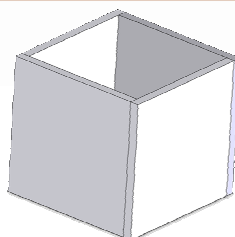
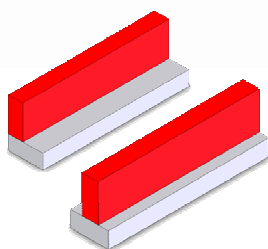
FONCTIONS

Je veux

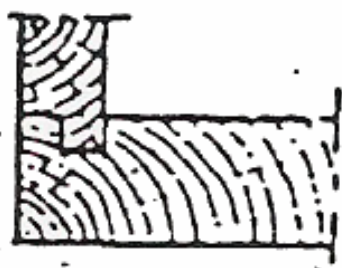
Faire un assemblage d'angle en bois de fil ou de travers

(ex: caisse, tiroir, cadre...)

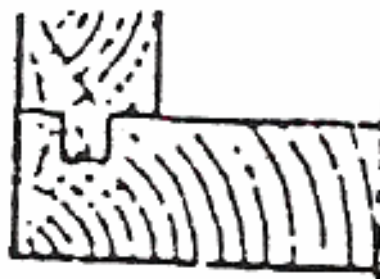




SOLUTIONS



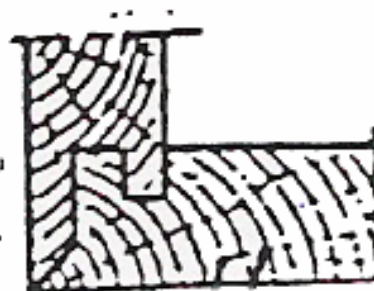
Languette bâtarde



Rainure -languette



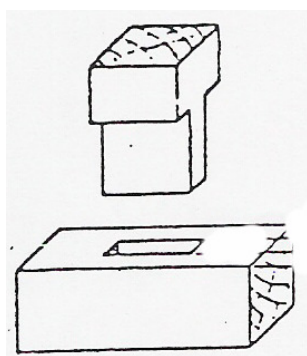
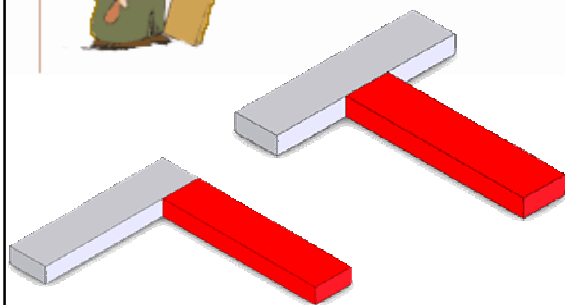
Rainure -
fausse languette



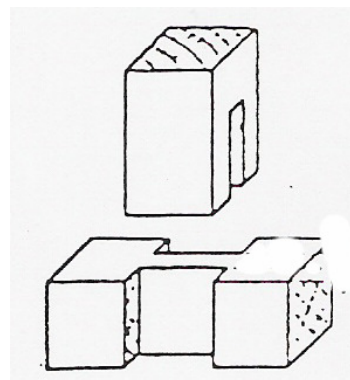
Bouvetage symétrique



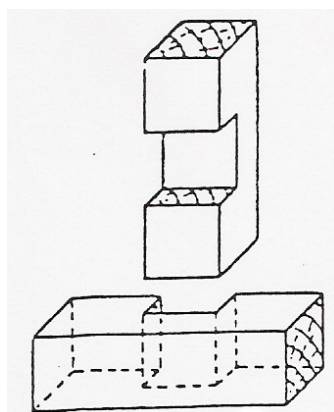
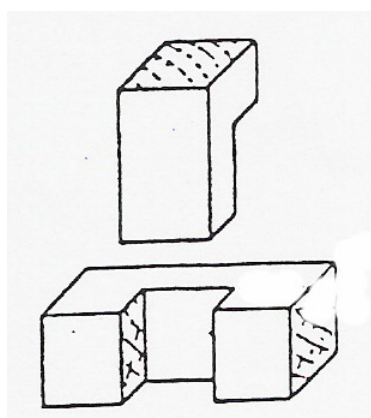
SOLUTIONS



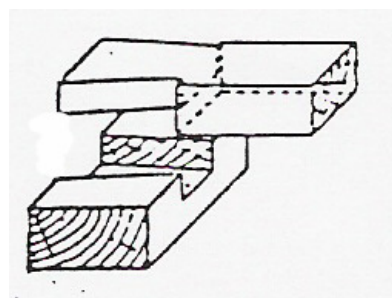
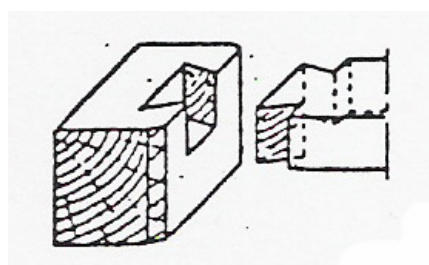
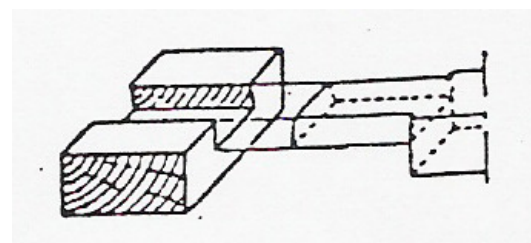
Tenon-mortaise



Enfourchement



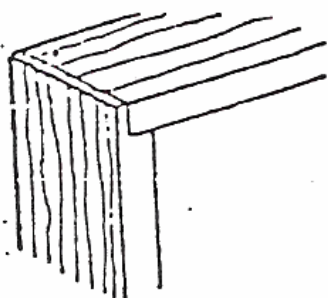
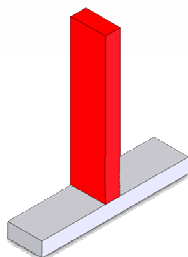
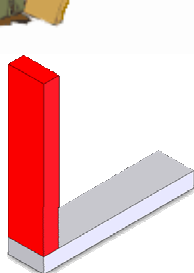
Mi-bois



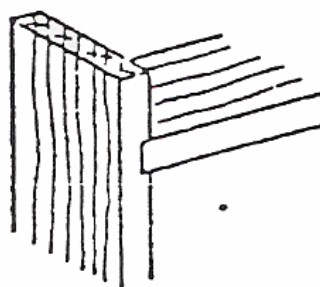
Queue d'aronde



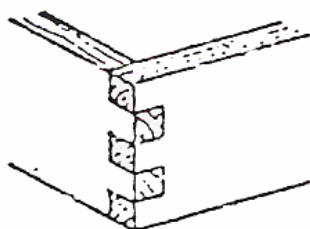
SOLUTIONS



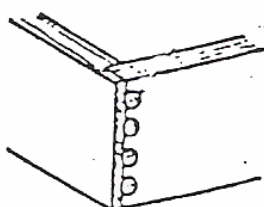
Feuillure



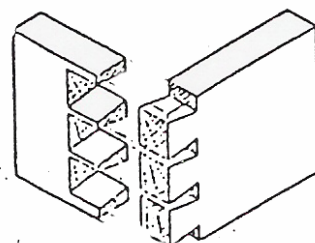
Rainure



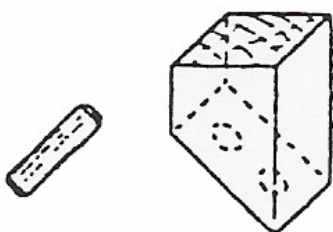
Queue droite



tourillons

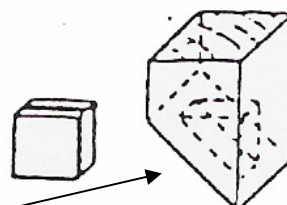


Queue d'aronde



tourillons

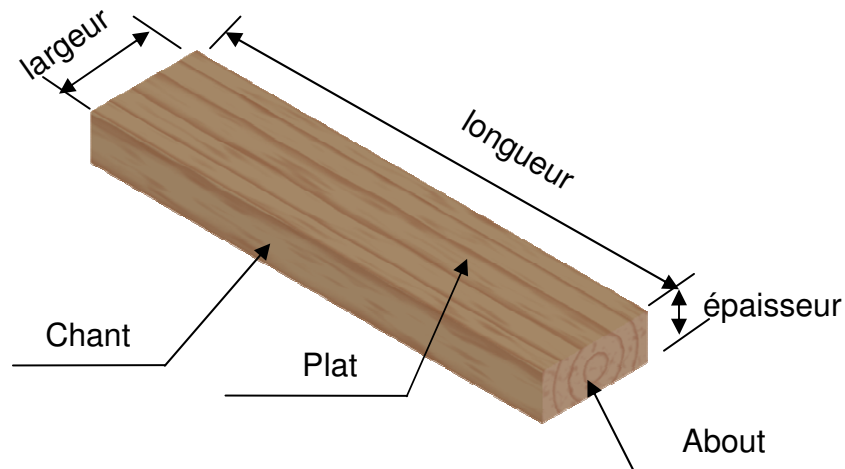
Coupe
d'onglet



pigeon



Récapitulons !

1. Terminologie de l'orientation du bois2. Tableau des possibilités de liaison

	PLAT	CHANT	BOUT
PLAT	 épaississement		
CHANT	 élargissement		
BOUT	 allongement		

3. Critères de choix

Étant donné le nombre important d'assemblages plus ou moins complexes, il faut donc faire un choix en fonction:

-du sens du fil

-de la solidité recherchée

-de l'esthétique recherchée

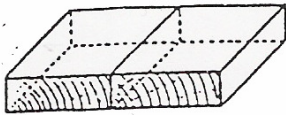
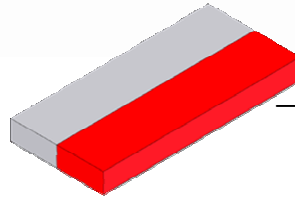
-de la rapidité d'exécution

-du matériel disponible

Des sections des pièces



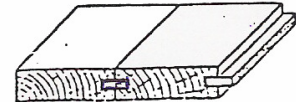
Je veux **élargir** une pièce



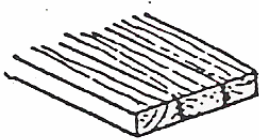
Plat joint



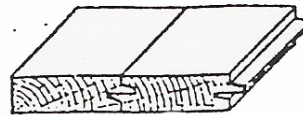
Rainure - languette



Rainure -
fausse languette

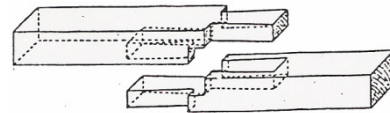
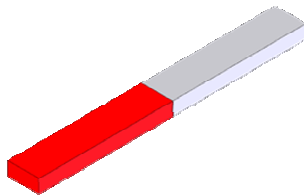


Micro-denture

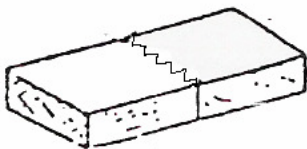


Bouvetage
symétrique

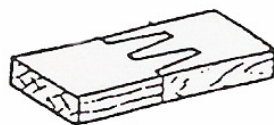
Je veux **allonger** une pièce



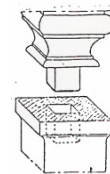
Enture à queue d'aronde



Micro-denture



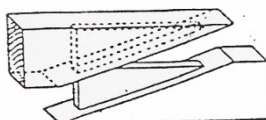
Doigt de gant



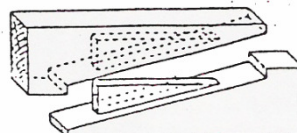
tenon-
mortaise



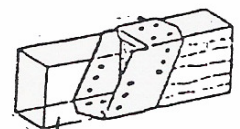
tourillon



Enture à sifflet



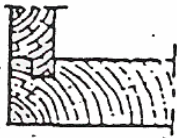
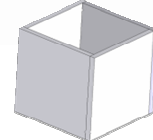
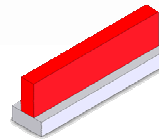
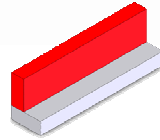
Enture à sifflet avec
butée



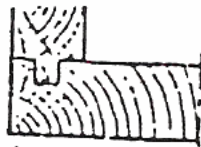
Étrier



Je veux assembler en angle sur fil



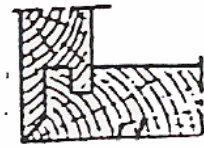
Languette
bâtarde



Rainure -
languette

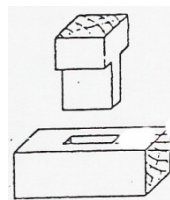
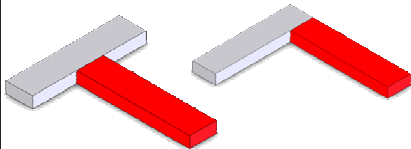


Rainure -
fausse languette

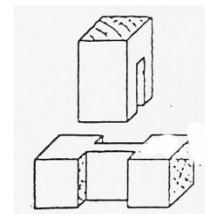


Bouvetage
symétrique

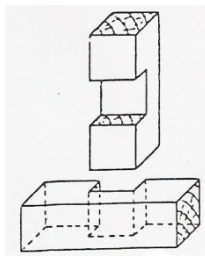
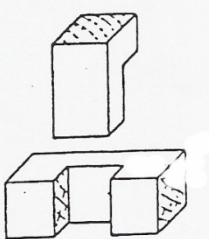
Je veux assembler en angle sur plat



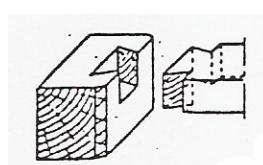
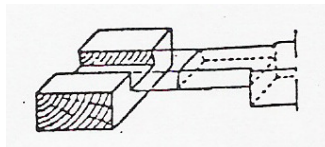
Tenon-mortaise



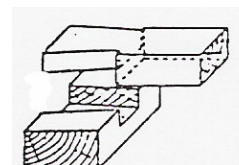
Enfournement



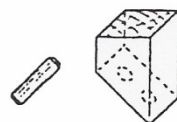
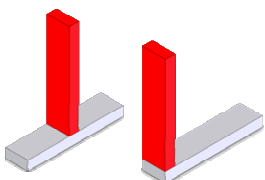
Mi-bois



Queue d'aronde

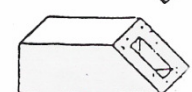
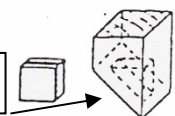


Je veux assembler en angle sur chant

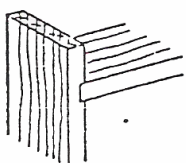


tourillons

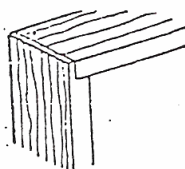
Coupe d'onglet



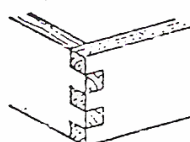
pigeon



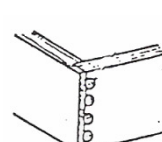
Rainure



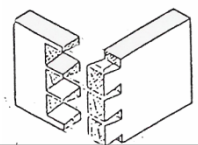
Feuillure



Queue droite



tourillons



Queue
d'aronde



EXERCICE:

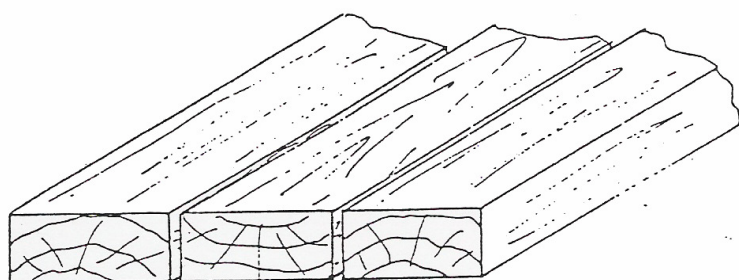
Vous devez réaliser les trois ouvrages ci-dessous.

Pour chacun d'entre eux, précisez:

1: à quelle catégorie d'assemblage appartient-il

2: quels sont les assemblages possibles (au moins trois chacun)

Assembler un panneau en bois massif



1:

2: -

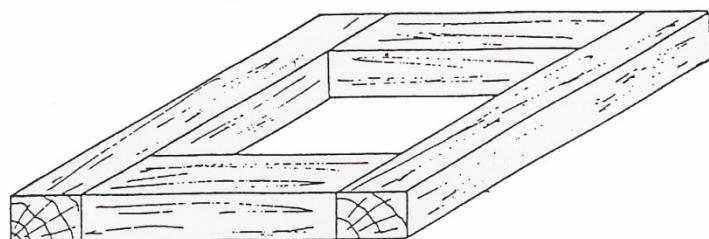
-

-

-

-

Assembler un bâti de porte



1:

2: -

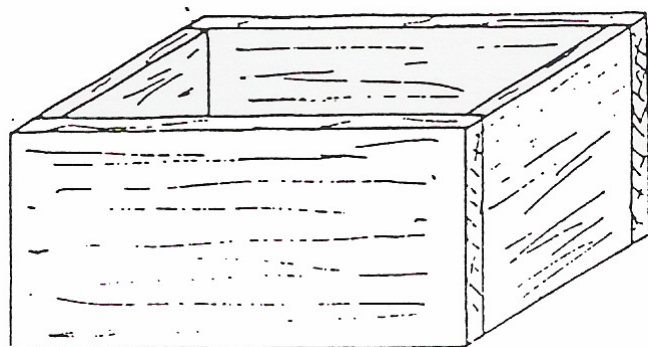
-

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-

-

Assembler une caisse à outil



1:

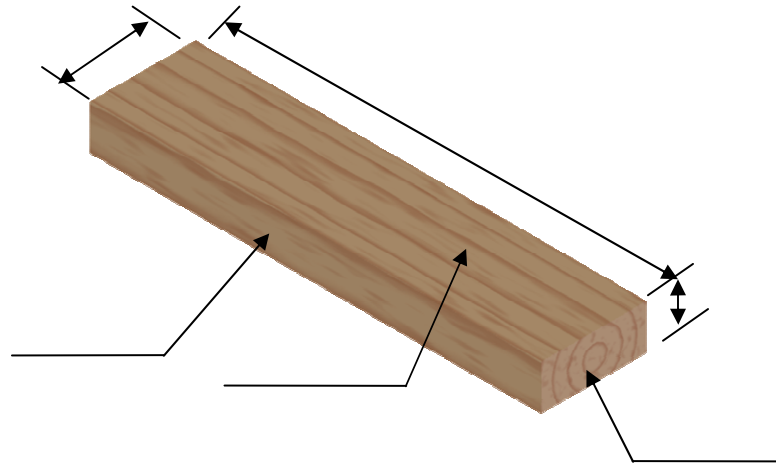
2: -

-

-

-

-

1. Terminologie de l'orientation du bois2. Tableau des possibilités de liaison

	PLAT	CHANT	BOUT
PLAT			
CHANT			
BOUT			

3. Critères de choix

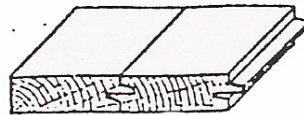
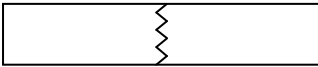
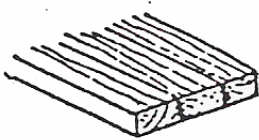
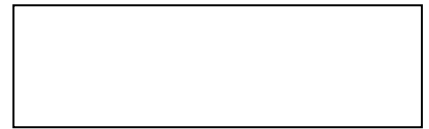
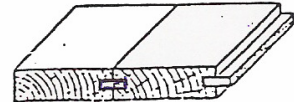
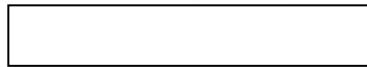
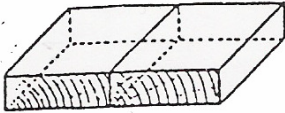
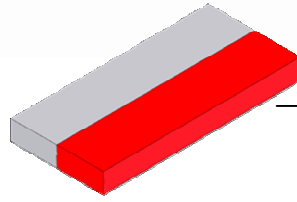
Étant donné le nombre important d'assemblages plus ou moins complexes, il faut donc faire un choix en fonction:

- _____
- _____
- _____

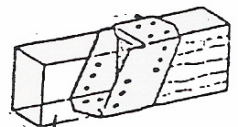
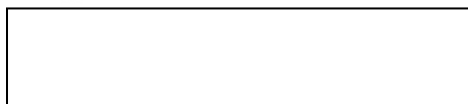
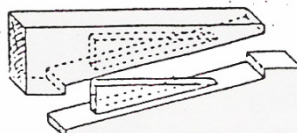
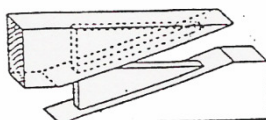
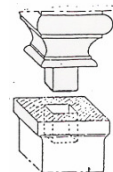
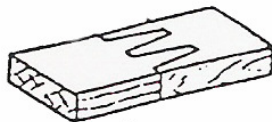
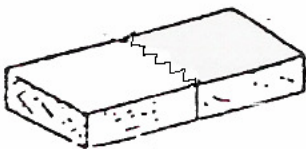
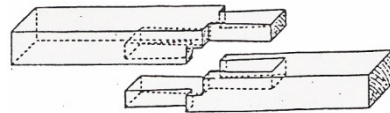
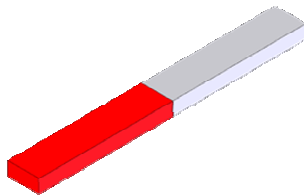
- _____
- _____
- _____



Je veux _____ une pièce

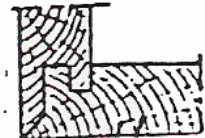
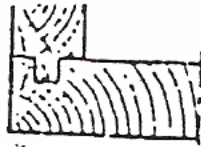
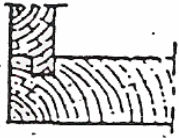
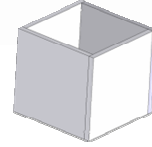
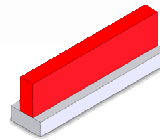
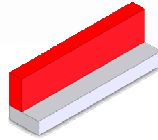


Je veux _____ une pièce

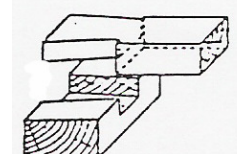
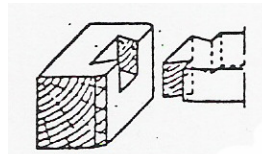
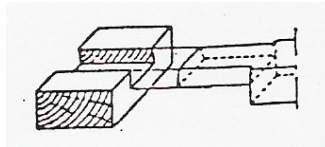
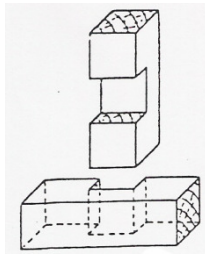
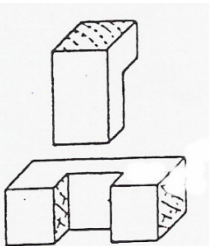
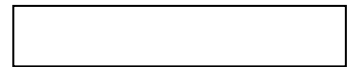
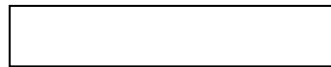
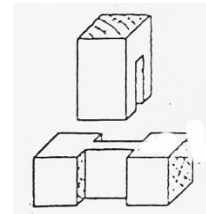
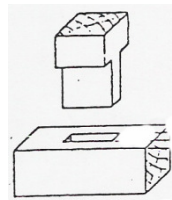
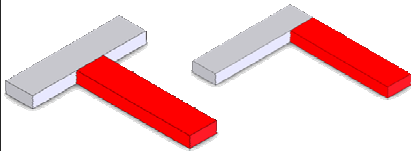




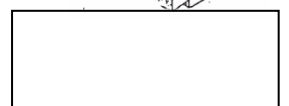
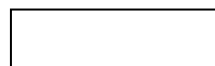
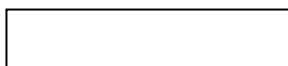
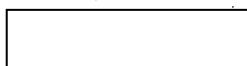
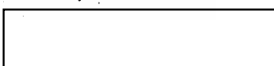
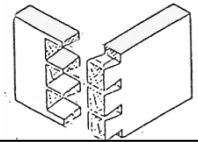
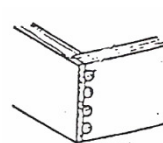
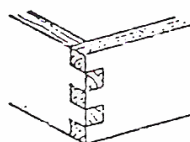
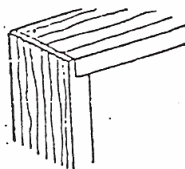
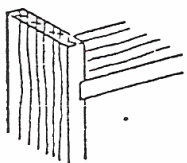
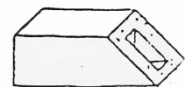
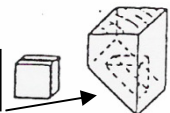
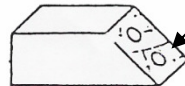
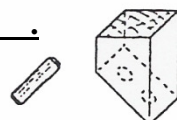
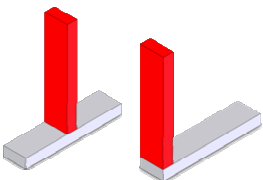
Je veux assembler _____.



Je veux assembler _____.



Je veux assembler _____.





EXERCICE:

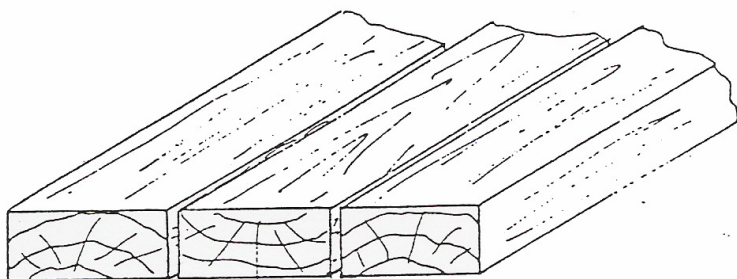
Vous devez réaliser les trois ouvrages ci-dessous.

Pour chacun d'entre eux, précisez:

1: à quelle catégorie d'assemblage appartient-il

2: quels sont les assemblages possibles (au moins trois chacun)

Assembler un panneau en bois massif



1:

2: -

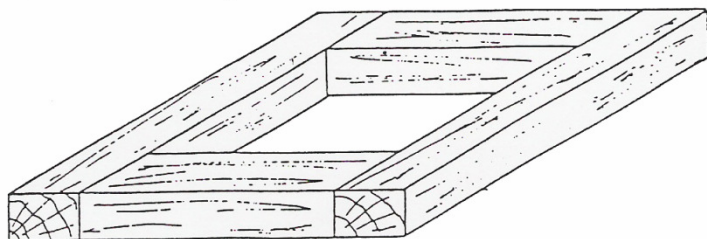
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Assembler un bâti de porte



1:

2: -

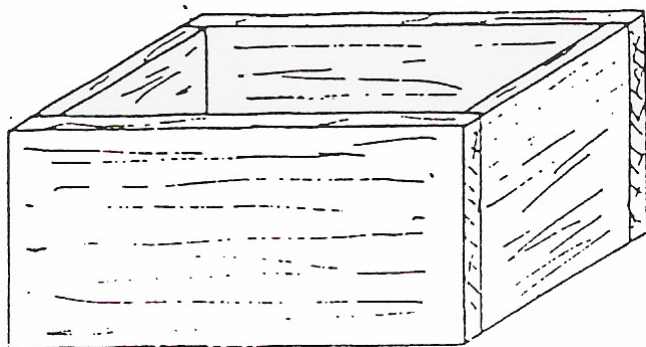
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Assembler une caisse à outil



1:

2: -

-

-

-

-