

Définition de Cas de Chargement Statique

SAP2000 v17.2.0 Ultimate - (Untitled)

1 Clic sur Load Patterns

2 Ajoute ou Modifie un cas de charge

Validier

Load Pattern Name	Type	Self Weight Multiplier	Auto Lateral Load Pattern
DEAD	DEAD	1	
DEAD	DEAD	1	

Annotations in dialog:

- Nom Permanente (pointing to DEAD)
- Variable Sismique Vent (pointing to QUAKE)
- Validier (pointing to OK)

Define → Load Patterns

Exemple

Load Pattern Name	Type	Self Weight Multiplier	Auto Lateral Load Pattern
E	QUAKE	0	None
G	DEAD	1	
Q	LIVE	0	
E	QUAKE	0	None

Sélection des Dalles

SAP2000 v17.2.0 Ultimate - (Untitled)

1 Clic sur Area Sections

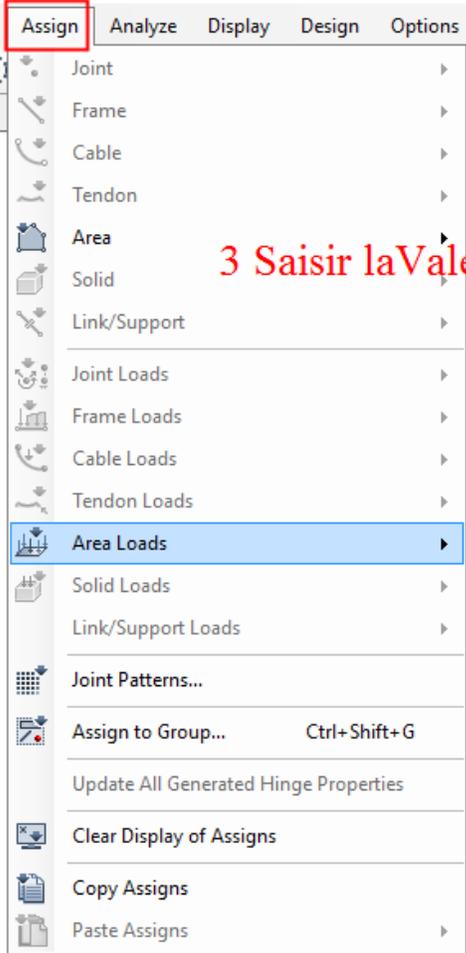
The screenshot displays the SAP2000 software interface. The 'Select' menu is open, showing the path: Select → Properties → Area Sections... The 'Area Sections' option is highlighted. In the bottom-left corner, a 'Select Sections' dialog box is open, titled '2 Choisir Dalle'. The dialog has a list box containing 'DALLE', 'None', and 'VOILE', with 'DALLE' selected. There are 'OK', 'Cancel', and 'Clear All' buttons.

2 Choisir Dalle

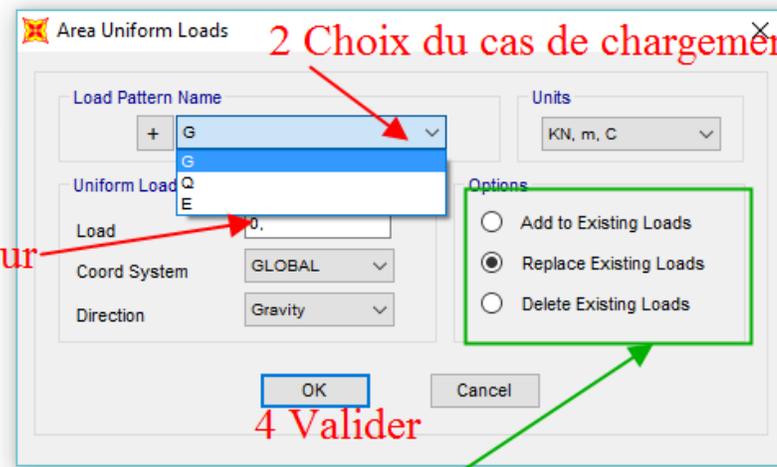
Select → Properties → Area Sections

Chargement des Dalles

1 Clic sur Uniform



3 Saisir la Valeur



4 Valider

Pour Ajouter
Remplacer ou
Supprimer
une charge

Assign → Area Loads → Uniform (Shell)

Chargement des Nœuds

2 Clic sur Forces

SAP2000 v17.2.0 Ultimate - (Untitled)

File Edit View Define Draw Select **Assign** Analyze Display Design Options Tools Help

Joint Loads (E)

- Joint
- Frame
- Cable
- Tendon
- Area
- Solid
- Link/Support
- Joint Loads**
 - Forces...
 - Displacements...
- Frame Loads
- Cable Loads
- Tendon Loads
- Area Loads
- Solid Loads
- Link/Support Loads
- Joint Patterns...
- Assign to Group... Ctrl+Shift+G
- Update All Generated Hinge Properties
- Clear Display of Assigns
- Copy Assigns
- Paste Assigns

Joint Forces

Load Pattern Name: E

Units: KN, m, C

Coordinate System: GLOBAL

Options:
 Add to Existing Loads
 Replace Existing Loads
 Delete Existing Loads

Force Global X: 9.00
Force Global Y: 0.00
Force Global Z: 0.00
Moment about Global X: 0.00
Moment about Global Y: 0.00
Moment about Global Z: 0.00

OK Cancel

1 Selection des Nœuds

3 Choix du cas de chargement

4 Choix de la direction et Saisir la Valeur

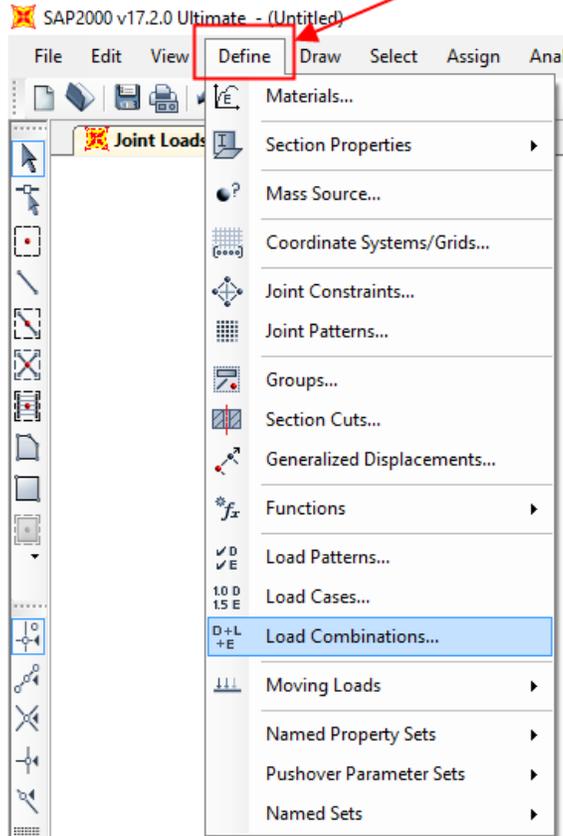
5 Valider

Pour Ajouter Remplacer ou Supprimer une charge

Assign → Joint Loads → Forces

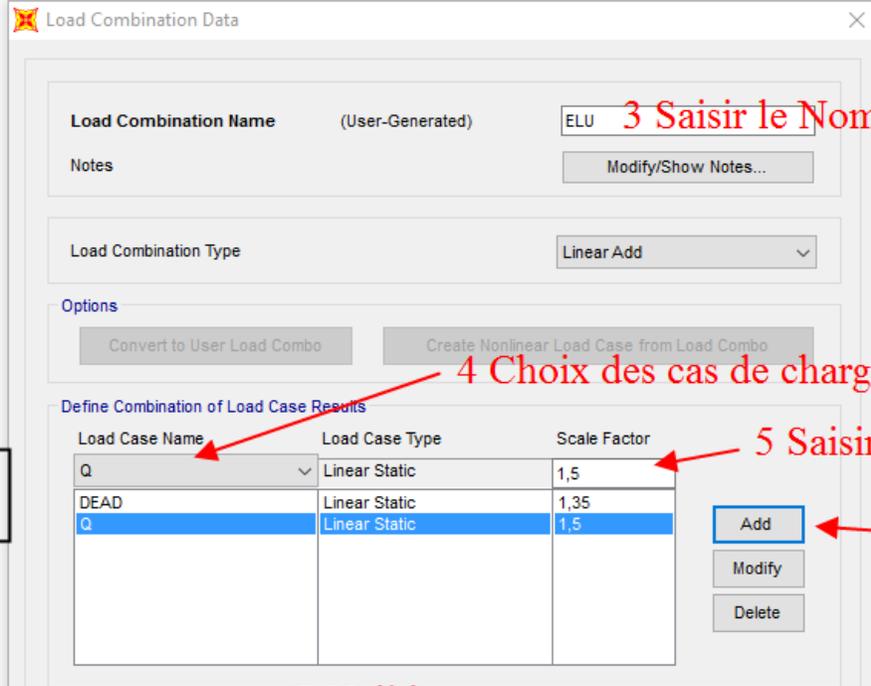
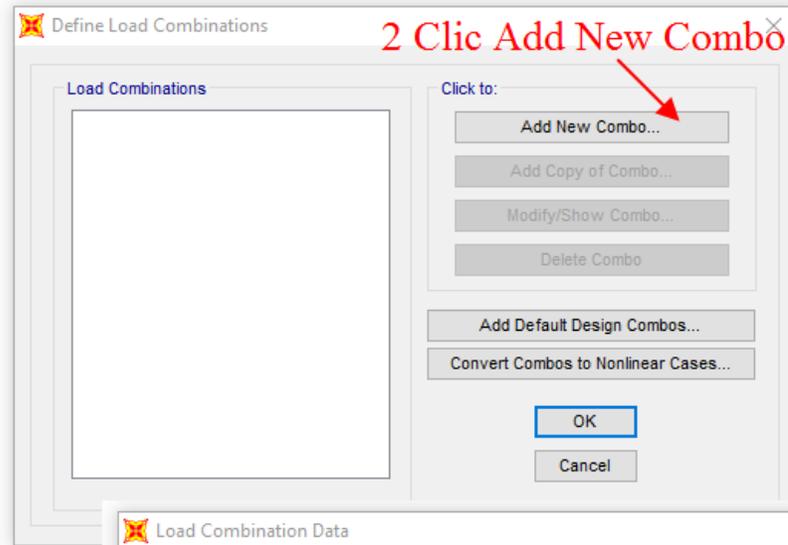
Définition des Combinaisons des Charges

1 Clic Load Combination



Define → Load Combinations

2 Clic Add New Combo



4 Choix des cas de charge

5 Saisir le Coef de penderation

6 Clic Add

7 Valider

