Sous-VI Tableaux

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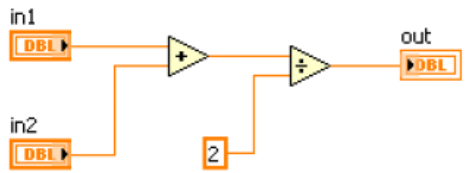
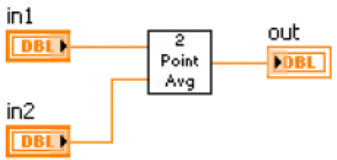
Sous-VI : Définition

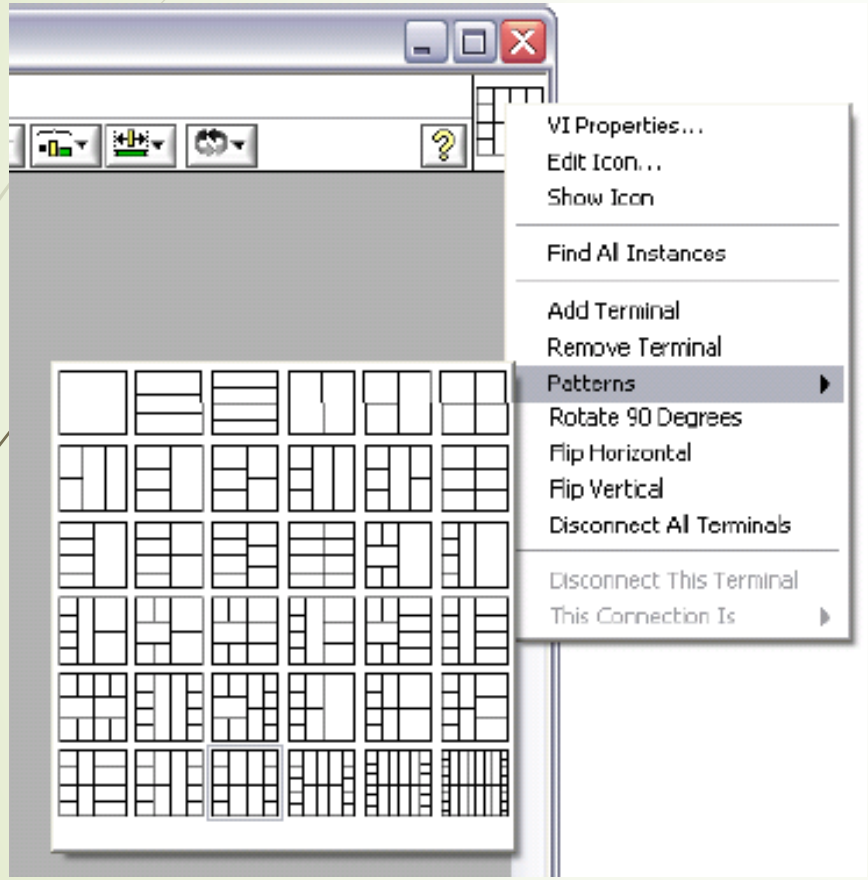
Function Code	Calling Program Code

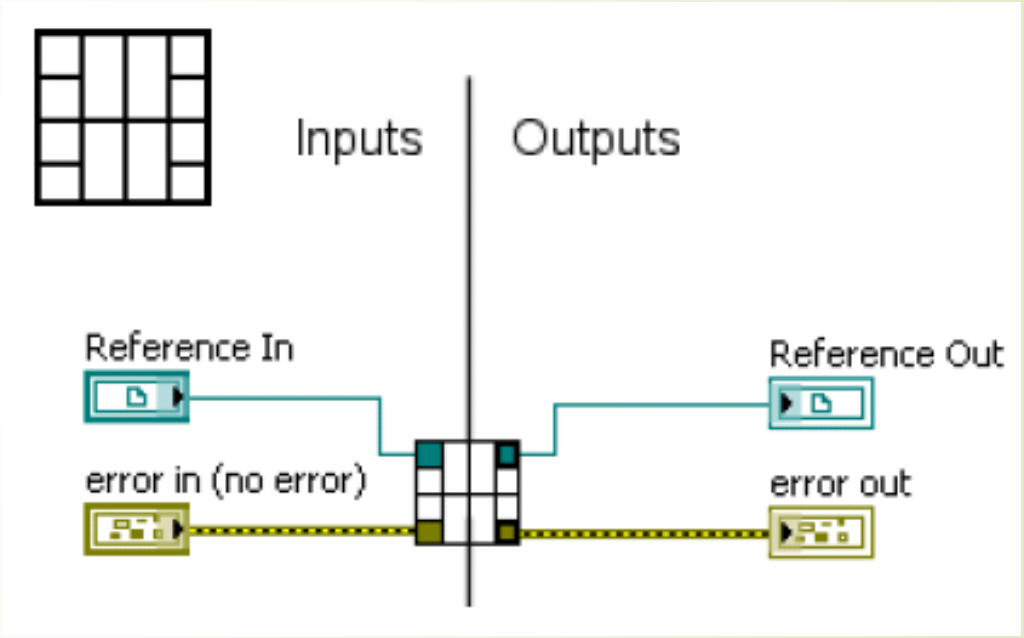
`function average (in1, in2, out)`
`{`
`out = (in1 + in2)/2.0;`
`}`
	`main`
	`{`
	`average (point1, point2, pointavg)`
	`}`

SubVI Block Diagram	Calling VI Block Diagram
	

- C'est l'équivalent d'une fonction
- Il est appelé dans le VI principal
- On doit lui définir des entrées et des sorties

Sous-VI : Entrées et sorties





Exemple guidé N°9

Les tableaux

- C'est une structure de données qui permet de « manipuler » simultanément plusieurs données élémentaires du même type.

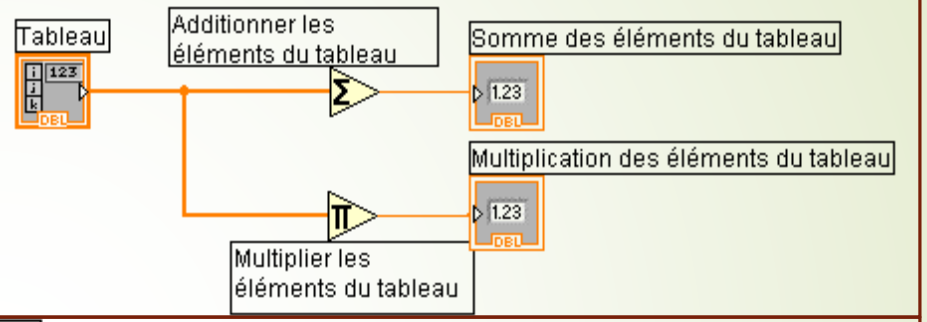
Indice	Variable de type ….réel
0	1.65
1	3.85
…	
n-1	8,56

- La première ligne a un indice 0.

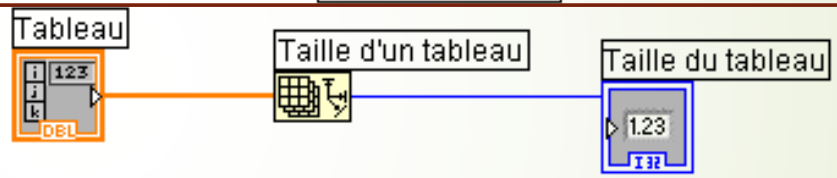
Opérations de base

a) Somme (multiplication)

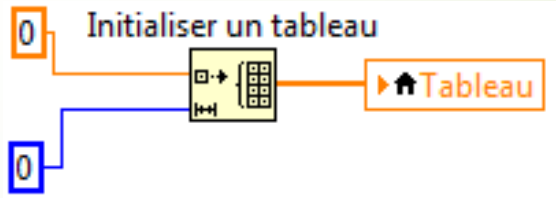
de tous les éléments :



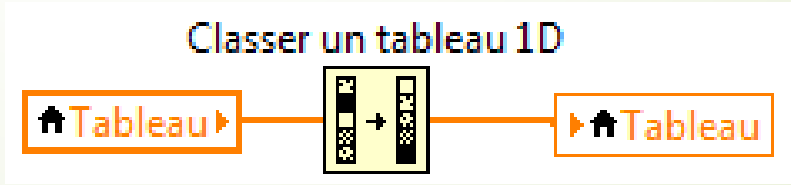
b) Taille d'un tableau :



c) Initialisation d'un tableau :

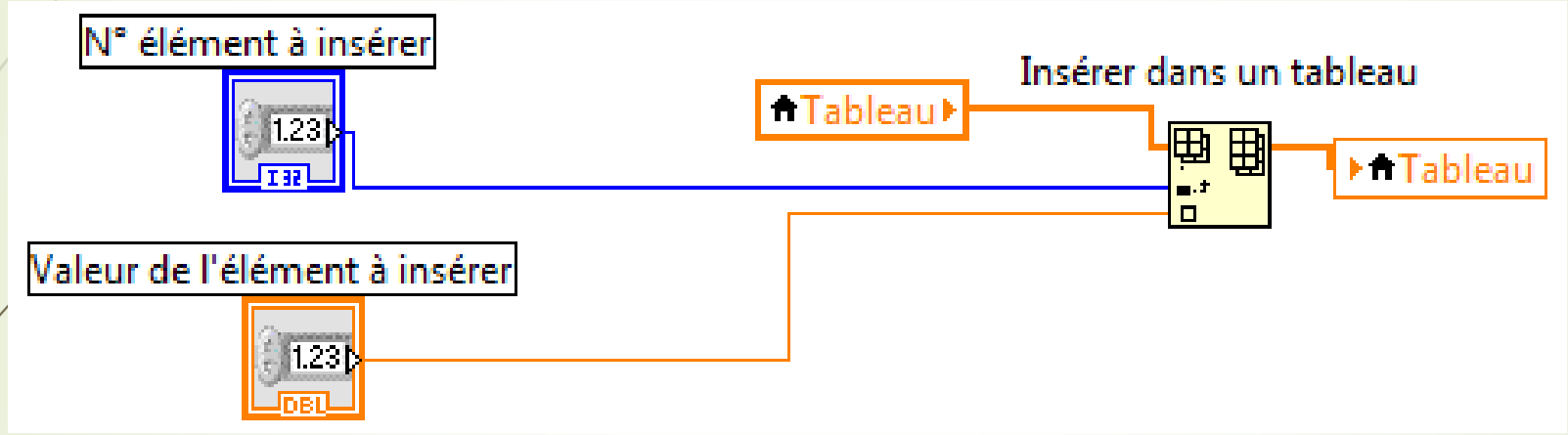


d) Tri d'un tableau :

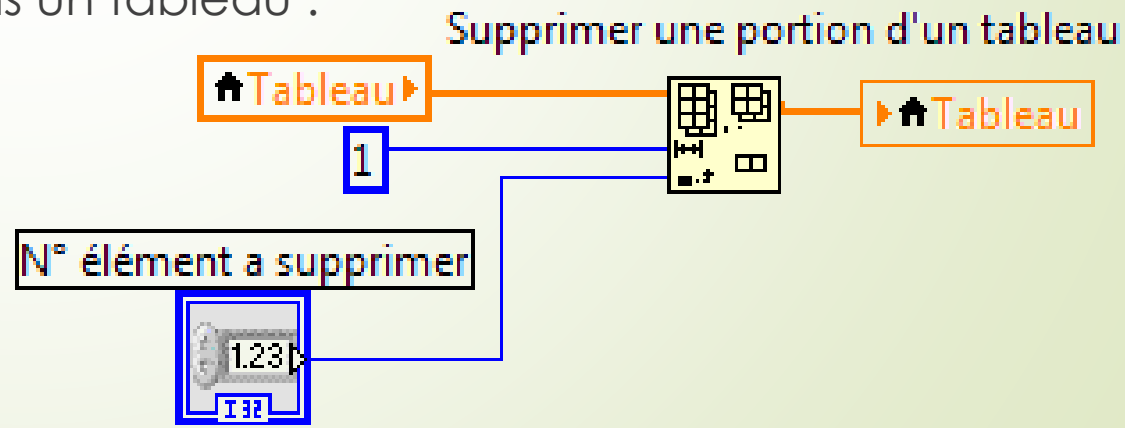


Opérations de base

e) Insertion d'un élément dans un tableau :

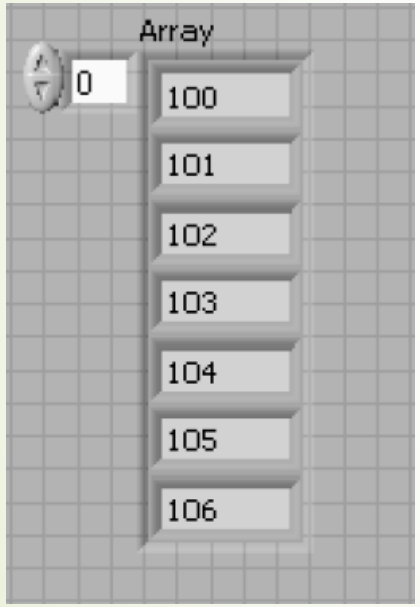


f) Suppression d'un élément dans un tableau :

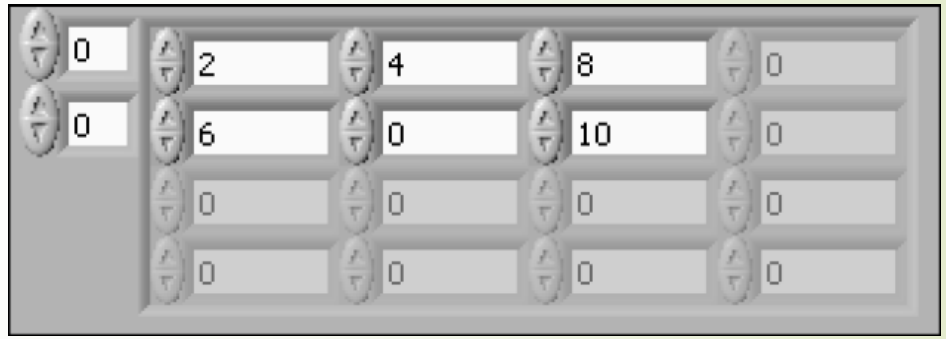


Dimensions

dimension 1



dimension 2



Exemples guidés N°10 et 11