



2020

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# Model

Package in package ''

Model

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Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

## Class Model

Package in package 'Model'

Class Model

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### Class Model diagram

Class diagram in package 'Class Model'

Class Model

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1. Class Model

### Controller

Package in package 'Class Model'

Controller

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Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| CONNECTORS |
| --- |
| Usage Source -> Destination  From: Controller : Package, Public  To: racket : Package, Public |

### Model

Package in package 'Class Model'

Model

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Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

### racket

Package in package 'Class Model'

racket

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| CONNECTORS |
| --- |
| Usage Source -> Destination  From: Controller : Package, Public  To: racket : Package, Public |

### View

Package in package 'Class Model'

View

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Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

### Controller

Package in package 'Class Model'

Controller

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Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| LINKS TO OTHER PACKAGES | |
| --- | --- |
| Usage from 'Controller' Package to 'racket' Package | Direction: Source -> Destination |
| PackageImport from 'Controller' Package to 'View' Package | Direction: Source -> Destination |
| PackageImport from 'Controller' Package to 'Model' Package | Direction: Source -> Destination |

#### Controller diagram

Class diagram in package 'Controller'

Controller

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Luis Muñoz created on 14/01/2020. Last modified 14/01/2020



1. Controller

#### Controlador

Class in package 'Controller'

Controlador

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Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ATTRIBUTES |
| --- |
| Apellido : String Private = ""  [ Is static False. Containment is Not Specified. ] |
| CadString : Cadenas\_Strings Private  [ Is static False. Containment is Not Specified. ] |
| CadView : CadenasView Private  [ Is static False. Containment is Not Specified. ] |
| CaracD : Caracteres\_Documentacion Private  [ Is static False. Containment is Not Specified. ] |
| CaracView : CaracteresView Private  [ Is static False. Containment is Not Specified. ] |
| ChangeColor : CuadroTexto Private  [ Is static False. Containment is Not Specified. ] |
| CodeExp : CodeExplain Private  [ Is static False. Containment is Not Specified. ] |
| Codex : codex Private  [ Is static False. Containment is Not Specified. ] |
| codexp : Codeexplicacion Private  [ Is static False. Containment is Not Specified. ] |
| Condi : Condicionales Private  [ Is static False. Containment is Not Specified. ] |
| ConView : CondicionalView Private  [ Is static False. Containment is Not Specified. ] |
| Correo : String Private = ""  [ Is static False. Containment is Not Specified. ] |
| datos : String Package = new String[1000][4]  [ Is static False. Containment is Not Specified. ] |
| Estrucs : Estructuras\_De\_Datos Private  [ Is static False. Containment is Not Specified. ] |
| EstrucView : Estructuras Private  [ Is static False. Containment is Not Specified. ] |
| Expres : Expreciones\_Matematicas Private  [ Is static False. Containment is Not Specified. ] |
| ExpresView : ExprecrionesView Private  [ Is static False. Containment is Not Specified. ] |
| Functions : Funciones Private  [ Is static False. Containment is Not Specified. ] |
| FuncView : FuncionesView Private  [ Is static False. Containment is Not Specified. ] |
| GraficView : GraficoView Private  [ Is static False. Containment is Not Specified. ] |
| introview : IntroView Private  [ Is static False. Containment is Not Specified. ] |
| linea : int Package = 0  Variable Global  [ Is static False. Containment is Not Specified. ] |
| listPares : Listas\_Pares Private  [ Is static False. Containment is Not Specified. ] |
| ListView : ListasView Private  [ Is static False. Containment is Not Specified. ] |
| menu : Menu Private  [ Is static False. Containment is Not Specified. ] |
| Mgrafico : Modo\_Grafico Private  [ Is static False. Containment is Not Specified. ] |
| n : int Private = 4  [ Is static False. Containment is Not Specified. ] |
| namescols : String Package = {"Nombre","Apellido","TelÃ©fono","Correo"}  [ Is static False. Containment is Not Specified. ] |
| Nombre : String Private = ""  [ Is static False. Containment is Not Specified. ] |
| ParView : ParesView Private  [ Is static False. Containment is Not Specified. ] |
| pmodel : PracticasModel Private  [ Is static False. Containment is Not Specified. ] |
| Practices : Practicas Private  [ Is static False. Containment is Not Specified. ] |
| recorrido : Recorrido Private  [ Is static False. Containment is Not Specified. ] |
| Recurs : Recursividad Private  [ Is static False. Containment is Not Specified. ] |
| RecursView : RecursividadView Private  [ Is static False. Containment is Not Specified. ] |
| Telefono : String Private = ""  [ Is static False. Containment is Not Specified. ] |
| van : int Private = 0  [ Is static False. Containment is Not Specified. ] |
| Vect : Vectores Private  [ Is static False. Containment is Not Specified. ] |
| VectView : VectoresView Private  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private recorrido (Class) Recorrido |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private menu (Class) Menu |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CaracD (Class) Caracteres\_Documentacion |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Recurs (Class) Recursividad |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CodeExp (Class) CodeExplain |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ConView (Class) CondicionalView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Expres (Class) Expreciones\_Matematicas |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private RecursView (Class) RecursividadView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Condi (Class) Condicionales |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Vect (Class) Vectores |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private FuncView (Class) FuncionesView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ChangeColor (Class) CuadroTexto |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Functions (Class) Funciones |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ListView (Class) ListasView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Mgrafico (Class) Modo\_Grafico |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CadString (Class) Cadenas\_Strings |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ExpresView (Class) ExprecrionesView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private listPares (Class) Listas\_Pares |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private pmodel (Class) PracticasModel |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private GraficView (Class) GraficoView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private VectView (Class) VectoresView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CaracView (Class) CaracteresView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Practices (Class) Practicas |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private introview (Class) IntroView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CadView (Class) CadenasView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Estrucs (Class) Estructuras\_De\_Datos |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private EstrucView (Class) Estructuras |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Codex (Class) codex |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private codexp (Class) Codeexplicacion |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ParView (Class) ParesView |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Estructuras | Target: Private Controller (Class) Controlador |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ExprecrionesView | Target: Private Controller (Class) Controlador |

| OPERATIONS |
| --- |
| addata () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cadenasview () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| caracteresView () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| CodeExplain () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| condicionlaesview () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Controlador () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Controlador (menu : Menu ) : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| estructurasview () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| explaincode (ns : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| explicacioncodigo () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| exprecionesview () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| FuncionesView () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Graficos () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| iniciar () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| introviews () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| listas () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| llenar\_tabla (n : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| pares () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| PonerColor (modif : JTextPane , str : String ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| practices () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| RConCode (van3 : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| recursividad () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCode (van2 : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCodeCar (ns : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCodeExp (ns : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCodeFunc (ns : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCodeLis (ns : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCodePar (ns : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCodeRac (ns : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCodestrcut (ns : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| runCodevec (van2 : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| SeeCode () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| SeeCode2 () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| vectoresview () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### Model

Package in package 'Class Model'

Model

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| LINKS TO OTHER PACKAGES | |
| --- | --- |
| PackageImport from 'Controller' Package to 'Model' Package | Direction: Source -> Destination |

#### Model diagram

Class diagram in package 'Model'

Model

Version 1.0

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020



1. Model

#### Arbol

Class in package 'Model'

Arbol

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ATTRIBUTES |
| --- |
| altura : int Package  [ Is static False. Containment is Not Specified. ] |
| cant : int Package  [ Is static False. Containment is Not Specified. ] |
| niveles : String Package  imprimir ordenado con niveles  [ Is static False. Containment is Not Specified. ] |
| numeroRamas : int Package = 0  Obtener el numero de ramas  [ Is static False. Containment is Not Specified. ] |
| raiz : Nodo Private  [ Is static False. Containment is Not Specified. ] |
| subder : int Package = 0  [ Is static False. Containment is Not Specified. ] |
| subizq : int Package = 0  Balance  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Arbol | Target: Private raiz (Class) Nodo |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ArbolExpresionGrafico | Target: Private miArbol (Class) Arbol |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) SimuladorArbolBinario | Target: Package miArbol (Class) Arbol |

| OPERATIONS |
| --- |
| agregar (dato : int ) : boolean Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| alturaArbol () : int Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| alturaArbol (pivote : Nodo , nivel : int ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Arbol () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Balance (reco : Nodo , lado : boolean , i : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| borrar (x : int ) : int Public  Borrar el que sea  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| borrar (r : Nodo , x : int ) : Nodo Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| borrarMayor () : String Public  borrar mayor  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| borrarMenor () : String Public  Borrar menor  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| buscar (x : int ) : boolean Public  buscar  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| buscar (r : Nodo , x : int ) : boolean Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| buscarMin (r : Nodo ) : Nodo Private  buscar min  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cambiar () : boolean Public  cambiar datos  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cambiar (reco : Nodo , nivel : int ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cantidadNodos () : String Public  cantidad de nodos del arbol  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cantidadNodos (reco : Nodo ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cantidadNodosHoja () : String Public  cantidad nodos hoja  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cantidadNodosHoja (reco : Nodo ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| esHoja (x : Nodo ) : boolean Protected  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getdibujo () : JPanel Public  dibujar arbol  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getHojas () : ArrayList Public  hojas  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getHojas (r : Nodo , l : ArrayList ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getRaiz () : Nodo Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| impNiveles () : ArrayList Public  con nivel  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| impNiveles (reco : Nodo , nivel : int , l : ArrayList ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| imprimirBalance () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| imprimirNivel () : ArrayList Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| imprimirNivel (pivote : Nodo , nivel2 : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| inOrden () : ArrayList Public  imprimir InOrden  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| inOrden (reco : Nodo , l : ArrayList ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| insertar (nuevo : Nodo , pivote : Nodo ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| mayorValor () : String Public  mayor Valor  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| menorValor () : String Public  Valor menor  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| obtenernumeroRamas (pivote : Nodo , contador : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ObtenerRamamayor () : ArrayList<String> Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ObtenerRamamayor (pivote : Nodo , contador : int , dato : String , lista : ArrayList ) : ArrayList<String> Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| padre (info : int ) : int Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| padre (x : Nodo , info : int ) : Nodo Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| podar () : void Public  eliminar hojas  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| podar (x : Nodo ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| postOrden () : ArrayList Public  imprimir post orden  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| postOrden (reco : Nodo , l : ArrayList ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| preOrden () : ArrayList Public  imprimir preorden  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| preOrden (reco : Nodo , l : ArrayList ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| retornarAltura () : String Public  altura del arbol  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| retornarAltura (reco : Nodo , nivel : int ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setRaiz (r : Nodo ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### ArbolExpresionGrafico

Class in package 'Model'

ArbolExpresionGrafico

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends JPanel

| ATTRIBUTES |
| --- |
| child2child : int Private = 30  [ Is static False. Containment is Not Specified. ] |
| dirty : boolean Private = true  [ Is static False. Containment is Not Specified. ] |
| empty : Dimension Private = new Dimension(0,0)  [ Is static False. Containment is Not Specified. ] |
| fm : FontMetrics Private = null  [ Is static False. Containment is Not Specified. ] |
| miArbol : Arbol Private  [ Is static False. Containment is Not Specified. ] |
| parent2child : int Private = 20  [ Is static False. Containment is Not Specified. ] |
| posicionNodos : HashMap Private = null  [ Is static False. Containment is Not Specified. ] |
| subtreeSizes : HashMap Private = null  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ArbolExpresionGrafico | Target: Private miArbol (Class) Arbol |

| OPERATIONS |
| --- |
| ArbolExpresionGrafico (miArbol : Arbol ) : Public  Constructor de la clase ArbolExpresionGrafico. El constructor permite inicializar los atributos de la clase ArbolExpresionGrafico y llama al mÃ©todo repaint(), que es el encargado de pintar el Arbol.  @param miExpresion: dato de tipo ArbolExpresion que contiene el Arbol a dibujar.  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| calcularPosicion (n : Nodo , left : int , right : int , top : int ) : void Private  Calcula la ubicaciÃ³n de cada nodo de cada subÃ¡rbol y agrega cada nodo con un objeto de tipo Rectangule que tiene la ubicaciÃ³n y la informaciÃ³n especÃ­fica de dÃ³nde va a ser dibujado.  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| calcularPosiciones () : void Private  Calcula las posiciones de los respectivos subÃ¡rboles y de cada nodo que forma parte de ese subÃ¡rbol, para conocer en que posiciÃ³n van a ir dibujados los rectÃ¡ngulos representativos del Ã¡rbol de la expresiÃ³n.  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| calcularTamaÃ±oSubarbol (n : Nodo ) : Dimension Private  Calcula el tamaÃ±o de cada subÃ¡rbol y lo agrega al objeto subtreeSizes de la clase de tipo HashMap que va a contener la coleccion de todos los subÃ¡rboles que contiene un arbol.  @return Dimension con el tamaÃ±o de cada subÃ¡rbol.  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| dibujarArbol (g : Graphics2D , n : Nodo , puntox : int , puntoy : int , yoffs : int ) : void Private  Dibuja el Ã¡rbol teniendo en cuenta las ubicaciones de los nodos y los subÃ¡rboles calculadas anteriormente.  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| paint (g : Graphics ) : void Public  Sobreescribe el metodo paint y se encarga de pintar todo el Ã¡rbol.  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Cadenas\_Strings

Class in package 'Model'

Cadenas\_Strings

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CadString (Class) Cadenas\_Strings |

| OPERATIONS |
| --- |
| appendeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Cadenas\_Strings () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejercicios () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| IsString () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| lenght () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| lengtheje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| makeseje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| makeString () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ques () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| refeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| seteje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setSring () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| strincmpeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Stringcmp () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| stringeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| stringref () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| unioncad () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Caracteres\_Documentacion

Class in package 'Model'

Caracteres\_Documentacion

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CaracD (Class) Caracteres\_Documentacion |

| OPERATIONS |
| --- |
| caracter1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| caracter2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| caracter3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| caracter4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| caracter5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Caracteres\_Documentacion () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejecaracter1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejecaracter2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejecaracter3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejecaracter4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejecaracter5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejecaracter6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejercicios () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Codeexplicacion

Class in package 'Model'

Codeexplicacion

Version 1.0 Phase 1.0 Proposed

xlOnly created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private codexp (Class) Codeexplicacion |

| OPERATIONS |
| --- |
| Codeexplicacion () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo10 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo7 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo8 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo9 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Paso1 (este : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Paso2 (este : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Paso3 (este : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Paso4 (este : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Paso5 (este : int ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Condicionales

Class in package 'Model'

Condicionales

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Condi (Class) Condicionales |

| OPERATIONS |
| --- |
| bol () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Condicionales () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeCond () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeCondbegin () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeIf () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeIfbegin () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejercicios () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| elcond () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| elif () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Quees () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Estructuras\_De\_Datos

Class in package 'Model'

Estructuras\_De\_Datos

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Estrucs (Class) Estructuras\_De\_Datos |

| OPERATIONS |
| --- |
| defeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| defstruct () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejemplo6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejercicios () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Estructuras\_De\_Datos () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| makeeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| makestr () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| quees () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Expreciones\_Matematicas

Class in package 'Model'

Expreciones\_Matematicas

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Expres (Class) Expreciones\_Matematicas |

| OPERATIONS |
| --- |
| Ejeexpreciones1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejeexpreciones2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejeexpreciones3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejeexpreciones4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejeexpreciones5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejeexpreciones6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Expreciones\_Matematicas () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| expreciones1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| expreciones2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Funciones

Class in package 'Model'

Funciones

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Functions (Class) Funciones |

| OPERATIONS |
| --- |
| Ejefunciones1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejefunciones2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejefunciones3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejefunciones4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejefunciones5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejefunciones6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Funciones () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| funciones1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| funciones2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| funciones3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Listas\_Pares

Class in package 'Model'

Listas\_Pares

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private listPares (Class) Listas\_Pares |

| OPERATIONS |
| --- |
| EjeListas1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeListas2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeListas3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeListas4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeListas5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeListas6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeListas7 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjeListas8 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjePares1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjePares2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjePares3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjePares4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjePares5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| EjePares6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejercicios () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas\_Pares () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas7 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas8 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Listas9 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Pares1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Pares2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Pares3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Pares4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Pares5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Modo\_Grafico

Class in package 'Model'

Modo\_Grafico

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Mgrafico (Class) Modo\_Grafico |

| OPERATIONS |
| --- |
| Ejegrafico1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejerecursividad2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejerecursividad3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejerecursividad4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| grafico1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| grafico2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| grafico3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Modo\_Grafico () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Nodo

Class in package 'Model'

Nodo

Version 1.0 Phase 1.0 Proposed

xlOnly created on 14/01/2020. Last modified 14/01/2020

| ATTRIBUTES |
| --- |
| dato : int Private  [ Is static False. Containment is Not Specified. ] |
| der : Nodo Private  [ Is static False. Containment is Not Specified. ] |
| izq : Nodo Private  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Arbol | Target: Private raiz (Class) Nodo |

| OPERATIONS |
| --- |
| getDato () : int Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getDer () : Nodo Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getIzq () : Nodo Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Nodo (dato : int ) : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setDato (dato : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setDer (der : Nodo ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setIzq (izq : Nodo ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### PracticasModel

Class in package 'Model'

PracticasModel

Version 1.0 Phase 1.0 Proposed

ALEJO created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private pmodel (Class) PracticasModel |

| OPERATIONS |
| --- |
| ejearitmetica1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejearitmetica2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejecadenas1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejecadenas2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejecaracteres1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejecaracteres2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejecond1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejecond2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejefuncion1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejefuncion2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejegrafico1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejegrafico2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejelistas1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejelistas2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejerecu1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejerecu2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejevector1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejevector2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| PracticasModel () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Recorrido

Class in package 'Model'

Recorrido

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private recorrido (Class) Recorrido |

| OPERATIONS |
| --- |
| intro1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| intro2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| intro3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| intro4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Recorrido () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Recursividad

Class in package 'Model'

Recursividad

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Recurs (Class) Recursividad |

| OPERATIONS |
| --- |
| Ejerecursividad1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejerecursividad2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejerecursividad3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejerecursividad4 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejerecursividad5 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Ejerecursividad6 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Recursividad () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| recursividad1 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| recursividad2 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| recursividad3 () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### SimuladorArbolBinario

Class in package 'Model'

SimuladorArbolBinario

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ATTRIBUTES |
| --- |
| miArbol : Arbol Package = new Arbol()  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) SimuladorArbolBinario | Target: Package miArbol (Class) Arbol |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) IntroView | Target: Private simulador (Class) SimuladorArbolBinario |

| OPERATIONS |
| --- |
| alturaArbol () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| balance () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| borrar (dato : Integer ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| borrarMayor () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| borrarMenor () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cambiar () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| CantidadHojas () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| CantidadNodos () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| darHojas () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| darPadre (hijo : Integer ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| esta (dato : Integer ) : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getDibujo () : JPanel Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| imprimirPorNiveles () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| inOrden () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| insertar (dato : Integer ) : boolean Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| mayorValor () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| menorValor () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| podarArbol () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| porNivel () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| posOrden () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| preOrden () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ramaMayor () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| recorrido (it : ArrayList , msg : String ) : String Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| SimuladorArbolBinario () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Vectores

Class in package 'Model'

Vectores

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Vect (Class) Vectores |

| OPERATIONS |
| --- |
| buildeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ejercicios () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| filleje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| leneje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| makeeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| makevect () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| quevect () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| refeje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| seteje () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| vectfill () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| vectlen () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Vectores () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| vectref () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| vectset () : String Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### View

Package in package 'Class Model'

View

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| LINKS TO OTHER PACKAGES | |
| --- | --- |
| PackageImport from 'Controller' Package to 'View' Package | Direction: Source -> Destination |

#### View diagram

Class diagram in package 'View'

View

Version 1.0

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020



1. View

#### SmsHelp

Package in package 'View'

SmsHelp

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

##### SmsHelp diagram

Class diagram in package 'SmsHelp'

SmsHelp

Version 1.0

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020



1. SmsHelp

##### Sms1

Class in package 'SmsHelp'

Sms1

Version 1.0 Phase 1.0 Proposed

utp created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| Recorrido : javax.swing.JLabel Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) IntroView | Target: Package sms1 (Class) Sms1 |

| OPERATIONS |
| --- |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Sms1 () : Public  Creates new form Sms1  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### CadenasView

Class in package 'View'

CadenasView

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| cadunion : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| caracdena : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code7 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel10 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel16 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel17 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel22 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel23 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel24 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel12 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane21 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane22 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane23 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane24 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane25 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| lenghtcadena : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| makecadena : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form CadenasView  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| quecadena : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run7 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| setcadena : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| strcomparar : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| stringfuncion : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo7 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) CadenasView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CadView (Class) CadenasView |

| OPERATIONS |
| --- |
| CadenasView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run7ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run6ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setIconImage (imageIcon : ImageIcon ) : void Private  End of variables declaration//GEN-END:variables  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### CaracteresView

Class in package 'View'

CaracteresView

Version 1.0 Phase 1.0 Proposed

xlOnly created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| caracter1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| caracter2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| caracter3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| caracter4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| caracter5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel10 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel12 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel13 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel14 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel16 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel17 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel25 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane21 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane22 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane8 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form Caracteres  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) CaracteresView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CaracView (Class) CaracteresView |

| OPERATIONS |
| --- |
| CaracteresView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### CodeExplain

Class in package 'View'

CodeExplain

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| Ayuda : javax.swing.JButton Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| Codigo1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo10 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo7 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo8 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codigo9 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar7 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar8 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Ejecutar9 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Public  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel11 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel12 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel13 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane21 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Private  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next10 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next7 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next8 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| next9 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  [ Is static False. Containment is Not Specified. ] |
| Pasos : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| Salida : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| stop : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop10 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop7 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop8 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| stop9 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Valores : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) CodeExplain | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private CodeExp (Class) CodeExplain |

| OPERATIONS |
| --- |
| AyudaActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| CodeExplain () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| stopActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_AyudaActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### CondicionalView

Class in package 'View'

CondicionalView

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| bolerel : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| concond : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| conif : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel10 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel12 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel13 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel14 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane21 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane22 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane23 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane8 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form CondicionalView  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| ques : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) CondicionalView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ConView (Class) CondicionalView |

| OPERATIONS |
| --- |
| CondicionalView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### CuadroTexto

Class in package 'View'

CuadroTexto

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends JTextPane

| ATTRIBUTES |
| --- |
| NewColor : JTextPane Private  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ChangeColor (Class) CuadroTexto |

| OPERATIONS |
| --- |
| append (c : Color , s : String ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setPrueva (NewColor : JTextPane ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Estructuras

Class in package 'View'

Estructuras

Version 1.0 Phase 1.0 Proposed

xlOnly created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| adddata : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codex : codex Private  [ Is static False. Containment is Not Specified. ] |
| Controller : Controlador Private  [ Is static False. Containment is Not Specified. ] |
| DatosStruct : javax.swing.JTable Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| defstruct : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel22 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| makestruc : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form Estructuras  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| questruct : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Estructuras | Target: Private Controller (Class) Controlador |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Estructuras | Target: Private Codex (Class) codex |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Estructuras | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private EstrucView (Class) Estructuras |

| OPERATIONS |
| --- |
| adddataMouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Estructuras () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jPanel6MouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_adddataMouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jPanel6MouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| SeeCode () : void Public  GEN-LAST:event\_run6ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### ExprecrionesView

Class in package 'View'

ExprecrionesView

Version 1.0 Phase 1.0 Proposed

xlOnly created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| Codex : codex Private  Creates new form ExprionesView  [ Is static False. Containment is Not Specified. ] |
| Controller : Controlador Private  [ Is static False. Containment is Not Specified. ] |
| dividido : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Expreciones1 : javax.swing.JTextArea Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| Expresiones2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel10 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel16 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel22 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel11 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel12 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| mas : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menos : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| num1 : javax.swing.JTextField Public  [ Is static False. Containment is Not Specified. ] |
| num2 : javax.swing.JTextField Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Private  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| por : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| posx : int Private  [ Is static False. Containment is Not Specified. ] |
| posy : int Private  [ Is static False. Containment is Not Specified. ] |
| resultado : javax.swing.JTextField Public  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ExprecrionesView | Target: Private Codex (Class) codex |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ExprecrionesView | Target: Private Controller (Class) Controlador |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ExprecrionesView | Target: Private numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ExpresView (Class) ExprecrionesView |

| OPERATIONS |
| --- |
| divididoActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_menosActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| divididoMouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_porMouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ExprecrionesView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jPanel5MouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_divididoMouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| masActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| masMouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_run6ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| menosActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_porActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| menosMouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_masMouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| porActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_masActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| porMouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_menosMouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_divididoActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| SeeCode2 (a : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### FuncionesView

Class in package 'View'

FuncionesView

Version 1.0 Phase 1.0 Proposed

xlOnly created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| DatosStruct : javax.swing.JTable Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| funciones1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| funciones2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| funciones3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel22 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel24 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form FuncionesView  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) FuncionesView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private FuncView (Class) FuncionesView |

| OPERATIONS |
| --- |
| FuncionesView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### GraficoView

Class in package 'View'

GraficoView

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| code1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| EjemplosGraficos : javax.swing.JTabbedPane Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| grafico1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| grafico2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| grafico3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form GraficoView  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) GraficoView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private GraficView (Class) GraficoView |

| OPERATIONS |
| --- |
| GraficoView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### IntroView

Class in package 'View'

IntroView

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| botonBorrar : javax.swing.JButton Private  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| botonInsertar : javax.swing.JButton Private  [ Is static False. Containment is Not Specified. ] |
| cmdBuscar : javax.swing.JButton Private  [ Is static False. Containment is Not Specified. ] |
| impresion : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| intro5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| intro6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| intro7 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| intro8 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jDesktopPane1 : javax.swing.JDesktopPane Private  [ Is static False. Containment is Not Specified. ] |
| jInternalFrame2 : javax.swing.JInternalFrame Private  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel10 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel13 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel14 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel17 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| lblChojas : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| lblCnodos : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| lblVmayor : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| lblVmenor : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| opciones : javax.swing.JComboBox Private  [ Is static False. Containment is Not Specified. ] |
| simulador : SimuladorArbolBinario Private = new SimuladorArbolBinario()  [ Is static False. Containment is Not Specified. ] |
| sms1 : Sms1 Package  Creates new form Gui  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) IntroView | Target: Package sms1 (Class) Sms1 |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) IntroView | Target: Private simulador (Class) SimuladorArbolBinario |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private introview (Class) IntroView |

| OPERATIONS |
| --- |
| botonBorrarActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_cmdBuscarActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| botonInsertarActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| cmdBuscarActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_opcionesActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| complementos () : void Public  GEN-LAST:event\_jPanel2MouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| hidelaebl () : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| inicializar (enable : boolean ) : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| intro7MouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_letsgoActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| intro8MouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_jPanel7MouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| IntroView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jPanel2MouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_jPanel8MouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jPanel7MouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_intro7MouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jPanel8MouseEntered (evt : java.awt.event.MouseEvent ) : void Private  GEN-LAST:event\_intro8MouseEntered  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| letsgoActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_botonBorrarActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| opcionesActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_botonInsertarActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| repintarArbol () : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### ListasView

Class in package 'View'

ListasView

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code7 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code8 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel10 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel12 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel13 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel14 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel16 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel17 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel22 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel23 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel24 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel25 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel11 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane21 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane22 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane23 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane24 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane25 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane26 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane27 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane28 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane29 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane30 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane8 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| listas1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| listas2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| listas3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| listas4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| listas5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| listas6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| listas7 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| listas8 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| listas9 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form ListasView  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run7 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run8 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo7 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo8 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ListasView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ListView (Class) ListasView |

| OPERATIONS |
| --- |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ListasView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run7ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run6ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run8ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run7ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Menu

Class in package 'View'

Menu

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| AbrirAcerca : javax.swing.JButton Private  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| AcercaInfo : javax.swing.JDesktopPane Private  [ Is static False. Containment is Not Specified. ] |
| cadenas : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| caracteres : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Cerrar : javax.swing.JButton Private  [ Is static False. Containment is Not Specified. ] |
| condicionales : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| estructuras : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| expreciones : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| funciones : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| grafico : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| introduccion : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jButton1 : javax.swing.JButton Private  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel10 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel12 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel13 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel14 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel16 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel17 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel22 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel23 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel25 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel27 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel28 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel29 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel30 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel31 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel32 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel33 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel34 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel35 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel36 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel37 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel38 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel39 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel40 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel41 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel42 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel43 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel44 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel45 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel46 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel47 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel48 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel49 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel50 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel51 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel52 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel53 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel54 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel55 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel56 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel57 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel58 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel59 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel60 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel61 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel62 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel63 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel64 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel65 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel66 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel67 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel70 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel71 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel72 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel73 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel74 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel75 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel76 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel77 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel79 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel82 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel84 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel85 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel11 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel12 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel13 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel14 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel15 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel16 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel17 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel18 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel19 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel20 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel21 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel22 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel23 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel24 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel25 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel26 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel27 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel28 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel29 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel30 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel31 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel32 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel33 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel34 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel35 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel36 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel37 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel38 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel39 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTextArea1 : javax.swing.JTextArea Private  [ Is static False. Containment is Not Specified. ] |
| jTextField1 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField10 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField11 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField12 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField13 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField14 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField15 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField2 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField3 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField4 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField5 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField7 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField8 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| jTextField9 : javax.swing.JTextField Private  [ Is static False. Containment is Not Specified. ] |
| listas : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| Pares : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| practicas : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| quiz : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| recursividad : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| vectores : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private menu (Class) Menu |

| OPERATIONS |
| --- |
| AbrirAcercaActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_quizActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| CerrarActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_AbrirAcercaActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| funcionesActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| graficoActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_vectoresActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| introduccionActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_ParesActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jButton1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_CerrarActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField10ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField9ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField11ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField10ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField12ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField11ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField13ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField12ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField14ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField13ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField15ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField14ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jButton1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField7ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField8ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField7ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jTextField9ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jTextField8ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| listasActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_recursividadActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Menu () : Public  Creates new form Menu  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ParesActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_listasActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| practicasActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_introduccionActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| quizActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_practicasActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| recursividadActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_graficoActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| vectoresActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_funcionesActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### NumeroLinea

Class in package 'View'

NumeroLinea

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends JPanel, CaretListener, DocumentListener, PropertyChangeListener

| ATTRIBUTES |
| --- |
| borderGap : int Private  [ Is static False. Containment is Not Specified. ] |
| CENTER : float Public Const = 0.5f  [ Is static True. Containment is Not Specified. ] |
| color1 : Color Private = new Color(7,86,100)  [ Is static False. Containment is Not Specified. ] |
| component : JTextComponent Private  [ Is static False. Containment is Not Specified. ] |
| currentLineForeground : Color Private  [ Is static False. Containment is Not Specified. ] |
| digitAlignment : float Private  [ Is static False. Containment is Not Specified. ] |
| fonts : HashMap<String, FontMetrics> Private  [ Is static False. Containment is Not Specified. ] |
| HEIGHT : int Private Const = Integer.MAX\_VALUE - 1000000  [ Is static True. Containment is Not Specified. ] |
| lastDigits : int Private  [ Is static False. Containment is Not Specified. ] |
| lastHeight : int Private  [ Is static False. Containment is Not Specified. ] |
| lastLine : int Private  [ Is static False. Containment is Not Specified. ] |
| LEFT : float Public Const = 0.0f  [ Is static True. Containment is Not Specified. ] |
| minimumDisplayDigits : int Private  [ Is static False. Containment is Not Specified. ] |
| OUTER : Border Private Const = new MatteBorder(0, 0, 0, 2,Color.BLACK)  [ Is static True. Containment is Not Specified. ] |
| RIGHT : float Public Const = 1.0f  [ Is static True. Containment is Not Specified. ] |
| updateFont : boolean Private  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) GraficoView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) CodeExplain | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ParesView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) codex | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) CadenasView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) RecursividadView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) FuncionesView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) CaracteresView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ListasView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) VectoresView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Estructuras | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ExprecrionesView | Target: Private numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) CondicionalView | Target: Package numerolinea (Class) NumeroLinea |

| OPERATIONS |
| --- |
| caretUpdate (e : CaretEvent ) : void Public  Implement CaretListener interface  Properties:  annotations = @Override  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| changedUpdate (e : DocumentEvent ) : void Public  Implement DocumentListener interface  Properties:  annotations = @Override  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| documentChanged () : void Private  A document change may affect the number of displayed lines of text. Therefore the lines numbers will also change.  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getBorderGap () : int Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getCurrentLineForeground () : Color Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getDigitAlignment () : float Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getMinimumDisplayDigits () : int Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getOffsetX (availableWidth : int , stringWidth : int ) : int Private  Determine the X offset to properly align the line number when drawn  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getOffsetY (rowStartOffset : int , fontMetrics : FontMetrics ) : int Private  Determine the Y offset for the current row  Properties:  throws = BadLocationException  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getTextLineNumber (rowStartOffset : int ) : String Protected  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| getUpdateFont () : boolean Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| insertUpdate (e : DocumentEvent ) : void Public  Properties:  annotations = @Override  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| isCurrentLine (rowStartOffset : int ) : boolean Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| NumeroLinea (component : JTextComponent ) : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| NumeroLinea (component : JTextComponent , minimumDisplayDigits : int ) : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| paintComponent (g : Graphics ) : void Public  Properties:  annotations = @Override  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| propertyChange (evt : PropertyChangeEvent ) : void Public  Properties:  annotations = @Override  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| removeUpdate (e : DocumentEvent ) : void Public  Properties:  annotations = @Override  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setBorderGap (borderGap : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setCurrentLineForeground (currentLineForeground : Color ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setDigitAlignment (digitAlignment : float ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setMinimumDisplayDigits (minimumDisplayDigits : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setPreferredWidth () : void Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| setUpdateFont (updateFont : boolean ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### PanelFondo

Class in package 'View'

PanelFondo

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JPanel

| ATTRIBUTES |
| --- |
| ruta : String Private  [ Is static False. Containment is Not Specified. ] |

| OPERATIONS |
| --- |
| initComponents () : void Private  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| paintComponent (g : Graphics ) : void Public  Properties:  annotations = @Override  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| PanelFondo () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### ParesView

Class in package 'View'

ParesView

Version 1.0 Phase 1.0 Proposed

xlOnly created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel12 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel13 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel14 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel24 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Public  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane8 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form listaspares  [ Is static False. Containment is Not Specified. ] |
| paresview1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| paresview2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| paresview3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| paresview4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| paresview5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ParesView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private ParView (Class) ParesView |

| OPERATIONS |
| --- |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| ParesView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### Practicas

Class in package 'View'

Practicas

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| ejearitmetica1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejearitmetica2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejecadena1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejecadena2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejecaracter1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejecaracter2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejecon1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejecon2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejefuncion1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejefuncion2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejegrafico1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejegrafico2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejerecu1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejerecu2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejevector1 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| ejevector2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| grupo1 : javax.swing.ButtonGroup Private  [ Is static False. Containment is Not Specified. ] |
| grupo2 : javax.swing.ButtonGroup Private  [ Is static False. Containment is Not Specified. ] |
| GRUPO3 : javax.swing.ButtonGroup Private  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| jButton1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel12 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel16 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel25 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel29 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel30 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel31 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel35 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel36 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel37 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel38 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel42 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel43 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel44 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel45 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel46 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel47 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel48 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel11 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel12 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel13 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel14 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel15 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel16 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel17 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel18 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel19 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel20 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel21 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel22 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel23 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel24 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel25 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel26 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel27 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel28 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel29 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel30 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel31 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel32 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel33 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel34 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel35 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel36 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel37 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel38 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel39 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel40 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel41 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel42 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jRadioButton1 : javax.swing.JRadioButton Private  [ Is static False. Containment is Not Specified. ] |
| jRadioButton2 : javax.swing.JRadioButton Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane21 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane22 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane23 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane24 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane25 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane26 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane27 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane28 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane8 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Private  [ Is static False. Containment is Not Specified. ] |
| jTextArea3 : javax.swing.JTextArea Private  [ Is static False. Containment is Not Specified. ] |
| jTextArea4 : javax.swing.JTextArea Private  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| op1 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op10 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op11 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op12 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op13 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op14 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op15 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op16 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op17 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op18 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op19 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op2 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op20 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op21 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op22 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op23 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op24 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op25 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op26 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op27 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op28 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op29 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op3 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op30 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op31 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op32 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op33 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op34 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op35 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op36 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op37 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op38 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op39 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op4 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op40 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op41 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op42 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op43 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op44 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op45 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op46 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op47 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op48 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op49 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op5 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op50 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op51 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op52 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op54 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op55 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op56 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op6 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op7 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op8 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| op9 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| r1 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| r14 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| r5 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| r6 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| t1 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |
| t2 : javax.swing.JRadioButton Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Practices (Class) Practicas |

| OPERATIONS |
| --- |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| jButton1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_menuActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| menuActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| op11ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_op56ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| op13ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_op8ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| op37ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_op13ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| op45ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_op37ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| op56ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_op45ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| op8ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_jButton1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| op9ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_op11ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Practicas () : Public  Creates new form Practicas  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### RecursividadView

Class in package 'View'

RecursividadView

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel22 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel11 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane12 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane15 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form Recursividad  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| recursiones1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| recursiones2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| recursiones3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) RecursividadView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private RecursView (Class) RecursividadView |

| OPERATIONS |
| --- |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| RecursividadView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### VectoresView

Class in package 'View'

VectoresView

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| code : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code2 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code3 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code4 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code5 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| code6 : javax.swing.JTextPane Public  [ Is static False. Containment is Not Specified. ] |
| crear : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| fillvect : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| jButton2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel10 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel11 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel15 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel16 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel18 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel19 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel20 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel21 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel22 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel4 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel5 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel6 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel7 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel8 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel9 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel11 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Public  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane11 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane13 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane14 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane16 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane17 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane18 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane19 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane20 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane21 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane22 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane23 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Public  [ Is static False. Containment is Not Specified. ] |
| lenvect : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| letsgo : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| limpiar : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| makevect : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| menu : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| mostrar : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form VectoresView  [ Is static False. Containment is Not Specified. ] |
| PasoPaso : javax.swing.JButton Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| quevect : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| run1 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run2 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run3 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run4 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run5 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| run6 : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| setvect : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| v1 : javax.swing.JTextField Public  [ Is static False. Containment is Not Specified. ] |
| v2 : javax.swing.JTextField Public  [ Is static False. Containment is Not Specified. ] |
| v3 : javax.swing.JTextField Public  [ Is static False. Containment is Not Specified. ] |
| v4 : javax.swing.JTextField Public  [ Is static False. Containment is Not Specified. ] |
| vectref : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo1 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo2 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo3 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo4 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo5 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |
| verinfo6 : javax.swing.JTextArea Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) VectoresView | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private VectView (Class) VectoresView |

| OPERATIONS |
| --- |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| limpiarActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_mostrarActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| mostrarActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_v1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  </editor-fold>//GEN-END:initComponents  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run1ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run3ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run3ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run5ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run4ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| run6ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_limpiarActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| v1ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run5ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| v2ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_run6ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| v4ActionPerformed (evt : java.awt.event.ActionEvent ) : void Private  GEN-LAST:event\_v2ActionPerformed  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| VectoresView () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### codex

Class in package 'View'

codex

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| codes : javax.swing.JTextPane Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| numerolinea : NumeroLinea Package  Creates new form codex  [ Is static False. Containment is Not Specified. ] |
| ok : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) codex | Target: Package numerolinea (Class) NumeroLinea |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Estructuras | Target: Private Codex (Class) codex |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) ExprecrionesView | Target: Private Codex (Class) codex |
| Association (direction: Source -> Destination) | |
| Source: Public (Class) Controlador | Target: Private Codex (Class) codex |

| OPERATIONS |
| --- |
| codex () : Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.  Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### ejerciciosView

Class in package 'View'

ejerciciosView

Version 1.0 Phase 1.0 Proposed

xlOnly created on 14/01/2020. Last modified 14/01/2020

Extends javax.swing.JFrame

| ATTRIBUTES |
| --- |
| Correo : javax.swing.JTextField Public  Variables declaration - do not modify//GEN-BEGIN:variables  [ Is static False. Containment is Not Specified. ] |
| Enviar : javax.swing.JButton Public  [ Is static False. Containment is Not Specified. ] |
| jLabel1 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel2 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jLabel3 : javax.swing.JLabel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel1 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel10 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel11 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel12 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel13 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel14 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel15 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel16 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel17 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel18 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel19 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel2 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel20 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel21 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel3 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel4 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel5 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel6 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel7 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel8 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jPanel9 : javax.swing.JPanel Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane1 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane10 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane2 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane3 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane4 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane5 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane6 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane7 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane8 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jScrollPane9 : javax.swing.JScrollPane Private  [ Is static False. Containment is Not Specified. ] |
| jTabbedPane1 : javax.swing.JTabbedPane Private  [ Is static False. Containment is Not Specified. ] |

| OPERATIONS |
| --- |
| ejerciciosView () : Public  Creates new form ejerciciosView  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| initComponents () : void Private  This method is called from within the constructor to initialize the form. WARNING: Do NOT modify this code. The content of this method is always regenerated by the Form Editor.    Properties:  annotations = @SuppressWarnings("unchecked")  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### racket

Package in package 'Class Model'

racket

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| LINKS TO OTHER PACKAGES | |
| --- | --- |
| Usage from 'Controller' Package to 'racket' Package | Direction: Source -> Destination |

#### study

Package in package 'racket'

study

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

##### tool

Package in package 'study'

tool

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

###### tool diagram

Class diagram in package 'tool'

tool

Version 1.0

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020



1. tool

###### RacketStudyTool

Class in package 'tool'

RacketStudyTool

Version 1.0 Phase 1.0 Proposed

Luis Muñoz created on 14/01/2020. Last modified 14/01/2020

| OPERATIONS |
| --- |
| main (args : String[] ) : void Public  [ Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |