#### sortState (Sort State)

This collection preserves the AutoFilter sort state.

[Example: This example shows a sort which is case-sensitive, descending sort. While the range of data to sort is B4:E8, the range to sort by is B4:B8.

<sortState caseSensitive="1" ref="B4:E8">  
 <[sortCondition](sortCondition.docx) descending="1" ref="B4:B8"/>  
</sortState>

end example]

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| Parent Elements |
| [autoFilter](autoFilter.docx) (§); [queryTableRefresh](queryTableRefresh.docx) (§); [table](table.docx) (§); [worksheet](worksheet.docx) (§) |

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| Child Elements | Subclause |
| [extLst](extLst.docx) (Future Feature Data Storage Area) | § |
| [sortCondition](sortCondition.docx) (Sort Condition) | § |

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| Attributes | Description |
| caseSensitive (Case Sensitive) | Flag indicating whether or not the sort is case-sensitive.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| columnSort (Sort by Columns) | Flag indicating whether or not to sort by columns. Only applies to ranges that don’t have AutoFilter applied.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| ref (Sort Range) | The whole range of data to sort (not just the sort-by column).  The possible values for this attribute are defined by the [ST\_Ref](ST_Ref.docx) simple type (§). |
| sortMethod (Sort Method) | Strokes or PinYin sort method. Applies only to these application UI languages:   * Chinese Simplified * Chinese Traditional * Japanese   For these languages, alternate sort methods can be selected, affecting how the data is sorted.  The possible values for this attribute are defined by the [ST\_SortMethod](ST_SortMethod.docx) simple type (§). |

The following XML [Schema](Schema.docx) fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_SortState">

<sequence>

<element name="[sortCondition](sortCondition.docx)" minOccurs="0" maxOccurs="64" type="CT\_SortCondition"/>

<element name="[extLst](extLst.docx)" type="CT\_ExtensionList" minOccurs="0" maxOccurs="1"/>

</sequence>

<attribute name="columnSort" type="xsd:boolean" use="optional" default="false"/>

<attribute name="caseSensitive" type="xsd:boolean" use="optional" default="false"/>

<attribute name="sortMethod" type="[ST\_SortMethod](ST_SortMethod.docx)" use="optional" default="none"/>

<attribute [name](name.docx)="ref" type="[ST\_Ref](ST_Ref.docx)" use="required"/>

</complexType>