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016 \*/  
017package org.apache.commons.collections4.functors;  
018  
019import java.io.Serializable;  
020  
021import org.apache.commons.collections4.Transformer;  
022  
023/\*\*  
024 \* Transformer implementation that does nothing.  
025 \*  
026 \* @since 3.0  
027 \*/  
028public class NOPTransformer<T> implements Transformer<T, T>, Serializable {  
029  
030 /\*\* Serial version UID \*/  
031 private static final long serialVersionUID = 2133891748318574490L;  
032  
033 /\*\* Singleton predicate instance \*/  
034 @SuppressWarnings("rawtypes")  
035 public static final Transformer INSTANCE = new NOPTransformer<>();  
036  
037 /\*\*  
038 \* Factory returning the singleton instance.  
039 \*  
040 \* @param <T> the input/output type  
041 \* @return the singleton instance  
042 \* @since 3.1  
043 \*/  
044 public static <T> Transformer<T, T> nopTransformer() {  
045 return INSTANCE;  
046 }  
047  
048 /\*\*  
049 \* Constructor.  
050 \*/  
051 private NOPTransformer() {  
052 super();  
053 }  
054  
055 /\*\*  
056 \* Transforms the input to result by doing nothing.  
057 \*  
058 \* @param input the input object to transform  
059 \* @return the transformed result which is the input  
060 \*/  
061 @Override  
062 public T transform(final T input) {  
063 return input;  
064 }  
065  
066 private Object readResolve() {  
067 return INSTANCE;  
068 }  
069  
070}