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-- Engineer: Olasubomi Borishade  
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-- Create Date: 01/30/2026 07:18:46 PM  
-- Design Name: Operation/Array Pack  
-- Module Name: OperationArray_Pack - Behavioral  
-- Project Name: EENG 5560 Homework 1  
-- Description: Custom package of operation and array types  
-- Revision:  
-- Revision 0.01 - File Created  
-- Additional Comments:  
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library IEEE;  
use IEEE.STD_LOGIC_1164.ALL;
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```
library IEEE;  
use IEEE.STD_LOGIC_1164.ALL;
```

```
package Operations_Array_CustomPack is  
type CU_Operation is (lAND, lNOR, aADD, aSUB, aMULT, cGTH, cLTH, cEQT);  
type OperationArray_1d is array (natural range<>) of CU_Operation;  
type OperationArray_2d is array (natural range<>) of OperationArray_1d;  
  
subtype vec is std_logic_vector;  
type VectorArray_1d is array(natural range<>) of vec;  
type VectorArray_2d is array(natural range<>) of VectorArray_1d;  
  
end package Operations_Array_CustomPack;
```