The MDX query in the screenshot appears to be defining calculated members in a multidimensional cube, creating a measure related to **TV Change EQ Hedge Funds Slide - +/-30%**, handling scenarios where stress magnitude is -30% or 30%, and using SCOPE to define conditional logic.

Here's how we can translate this logic into **DAX** for Power BI:

### **MDX to DAX Conversion**

#### **1. Handling the Conditional Measure Definition**

In MDX:

mdx

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CREATE MEMBER CURRENTCUBE.[Measures].[TV Change EQ Hedge Funds Slide - +/-30% Temp1] AS   
MIN(([Scenario].[Scenario Name].[All]) \* EXCEPT([Scenario].[Stress Magnitude],[-30 %]:[Scenario].[Stress Magnitude].[30 %]))

**Equivalent DAX:**

DAX

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TV Change EQ Hedge Funds Slide +/-30% Temp1 =  
VAR ValidScenarios =  
 FILTER(  
 ALL( 'Scenario'[Scenario Name] ),  
 NOT ( 'Scenario'[Stress Magnitude] IN { -30, 30 } )  
 )  
RETURN  
 MINX( ValidScenarios, [TV Change EQ Hedge Funds] )

#### **2. Handling the Main Measure with IIF (Equivalent to IF in DAX)**

In MDX:

mdx

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CREATE MEMBER CURRENTCUBE.[Measures].[TV Change EQ Hedge Funds Slide - +/-30%] AS  
IIF(  
 ISEMPTY([Measures].[TV Change EQ Hedge Funds Slide - +/-30% Temp1]),   
 NULL,  
 MIN([Measures].[Zero], [Measures].[TV Change EQ Hedge Funds Slide - +/-30% Temp1])  
)

**Equivalent DAX:**

DAX

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TV Change EQ Hedge Funds Slide +/-30% =  
VAR TempValue = [TV Change EQ Hedge Funds Slide +/-30% Temp1]  
RETURN  
 IF(  
 ISBLANK( TempValue ),  
 BLANK(),  
 MIN( 0, TempValue )  
 )

#### **3. Handling the Scope Definitions**

MDX SCOPE statements are used to apply logic to specific data slices. The following scopes apply logic to a specific subset of data:

mdx

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SCOPE([Measures].[TV Change EQ Hedge Funds Slide - +/-30%]);  
 SCOPE([Scenario].[Stress Magnitude].[All].CHILDREN);  
 THIS = NULL;  
 SCOPE(EXCEPT([Scenario].[Stress Magnitude],[-30 %] : [Scenario].[Stress Magnitude].[30 %]));  
 THIS = [Measures].[TV Change EQ Hedge Funds];  
 END SCOPE;  
 END SCOPE;  
END SCOPE;

In **DAX**, SCOPE is not explicitly available, but we can implement similar logic using conditional filtering.

**Equivalent DAX:**

DAX

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TV Change EQ Hedge Funds Slide +/-30% Adjusted =  
VAR StressMag = SELECTEDVALUE( 'Scenario'[Stress Magnitude] )  
RETURN  
 IF(  
 StressMag IN { -30, 30 },  
 [TV Change EQ Hedge Funds],  
 BLANK()  
 )

### **Summary of Key Transformations**

* **MDX CREATE MEMBER** → DAX **New Measures**
* **MDX MIN() over a set** → DAX **MINX(FILTER())**
* **MDX ISEMPTY()** → DAX **ISBLANK()**
* **MDX SCOPE blocks** → DAX **Conditional logic using IF() and SELECTEDVALUE()**

This DAX conversion should allow Power BI to replicate the same behavior as the MDX calculations. Let me know if you need refinements!