

The screenshot displays the MATLAB R2023a environment. The Command Window shows the following code and output:

```

mcpractical1.m
Command Window
ans =
'Vector of codes used for transmission:'

C =
-1 -1 -1 -1 -1
-1 1 -1 -1 1
-1 -1 1 1 1
-1 1 1 1 -1

ans =
'Resulting traffic on the channel:'

```

The interface includes the MATLAB logo, a toolbar with navigation and editing tools, and a menu bar with options like HOME, PLOTS, APPS, EDITOR, PUBLISH, FILE VERSIONS, and VIEW. The Command Window is the active area, showing the execution of the script 'mcpractical1.m'.



The screenshot displays the MATLAB R2021a environment. The Command Window is active, showing the execution of a script named `mcpractical1.m`. The script defines a vector `D` and calculates the number of non-zero elements (Hamming weight) using the `sum(abs(D) > 0)` function. The output shows the variable `D` as a column vector `[1; -1; 1; 1]` and the result of the calculation as `ans = 3`.

```

>> mcpractical1
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ans =

'Vector of data bits to be transmitted:'

D =

     1
    -1
     1
     1

ans =

     3
  
```