

Cody Problem 32. Most nonzero elements in row

Given the matrix a, return the index r of the row with the most nonzero elements. Assume there will always be exactly one row that matches this criterion.

Example:

```
% Input  a = [ 1 2 0 0 0
%           0 0 5 0 0
%           2 7 0 0 0
%           0 6 9 3 3 ]
% Output r is 4
```

Scratch Pad

```
a = [ 1 2 0 0 0;
      0 0 5 0 0;
      2 7 0 0 0;
      0 6 9 3 3];

r = fullest_row(a)

r = 4
```

Solution

```
function r = fullest_row(a)
    % Calculate the sum of zeros in each row and Find the row index with
    % the minimum sum of zeros
    [~, r] = min(sum(a == 0, 2));
end
```