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Task 1:Write a Python program to find the maximum and minimum value of a given flattened array.

Task: 2 Write a NumPy program to compute the median of flattened given array. Note: First array elements raised to powers from second array

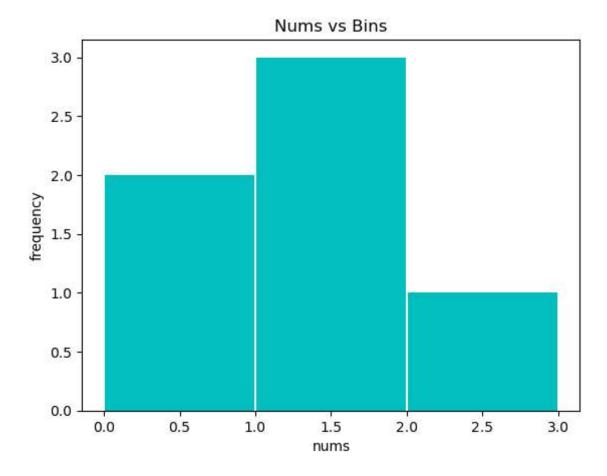
Task:3 Write a NumPy program to compute the mean, standard deviation, and variance of a given array along the second axis.

Task: 4 Write a Python program to count number of occurrences of each value in a given array of non-negative integers.

Task5: Write a NumPy program to compute the histogram of nums against the bins.

```
In [106]:
    import matplotlib.pyplot as plt
    nums=np.array([0.5,0.7,1.,1.2,1.3,2.1])
 2
    bins=np.array([0,1,2,3],dtype='i')
 3
    result=plt.hist(nums,bins,color='c',alpha=1,rwidth=0.99)
    print('result', result)
 5
 6
   plt.xlabel('nums')
    plt.ylabel('frequency')
 7
    plt.title('Nums vs Bins')
 9
    plt.show();
10
11
```

result (array([2., 3., 1.]), array([0., 1., 2., 3.]), $\langle BarContainer \ object \ of \ 3 \ artists \rangle$)



In []: 1