

```
1  function [predicted_class predicted_vector] = find_NN_eq(input_vector,dataset,N)
2  %finds the NN for an input vector by counting the number of matching dimensions
3
4  match_vector = sum(input_vector(1:N) == dataset(:,1:N),2);
5
6  [IGNORE index] = max(match_vector);
7
8  predicted_vector = dataset(index,:);
9
10 predicted_class = predicted_vector(N+1);
11
12 endfunction
```