Algorithm for getting the positions of the L2 neurons of the CMAC:

1) Create the receptive field (imagine it as a 2D grid with neurons at particular coordinates):

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e.g. receptive field size na = 5:
set the neuron positions to:
(0; 3)
(1; 0)
(2; 2)
(3; 4)
(4; 1)
```

2) Compute the position of the active neurons of L2 depending on the input:

In the following, the receptive field size n_a is termed as *field_size*.

Position of the neurons within the receptive field: RFpos(r, c) with r as neuron index and c as input channel index. You have created the RFpos(r, c) in step 1).

float variables (the **input value** for each y1 and y2 has to be **normalized**): <code>input[]</code>

integer variables: resolution, field size, input index, shift amount, local coord, coord

Position of the active neurons of L2: Position