I have an image containg some bad values. I would like
to replace these points with the average value of their
neighbors. Is there an easy way to do this without loops?

For instance, a 3x3 array as follows:

1 1 1
1 0 1
1 1 1

would become

1 1 1
1 1 1
1 1 1.

I can't get the boundary conditions to work correctly when
I use CONVOL. It either zeros the edges or does not process
them.

For instance,

1 1 1
0 1 1
1 1 0

should be

1 1 1
1 1 1
1 1 1

as well.

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