

HITECHNIQUES

Step-by-step Guide to using Assisted Alignment in the Matterport Capture App

Before scanning, estimate the number of target-sets you need. This will depend on the size of the space you're scanning and its characteristics. Tags may be placed at 30ft/9m intervals. If you have floor plans you can estimate the final number of targets otherwise you may need to carry out a site visit in advance of the capture.

You can get 4 sets of April Tags (Targets) from our Downloads page.

There are 50 targets in each set, numbered 1-50, 51-100, 101-150, and 151-200.

Each target can only be used once in any model, so print out enough sets to cover each complete project.

These targets are based on April Tags from the APRIL Lab at the University of Michigan. Targets from other systems or companies will not work with Matterport.

Print out the targets on A4 paper. Disable 'Fit to Page' setting.

Allow for some more than you estimate you need.

Tape the targets at key locations on the site at eye-level, spaced about 30 feet / 9 meters apart. Tape all four corners so there is no possibility of movement.

If required targets can be taped to the floor, but vertical is better.

If there are pillars, place the targets so that they are on the surface parallel with the direction of travel between scans.

These targets should then be visible in the next line of scanning.

Targets can be placed and scanned in any order.

You cannot reuse or move targets once they are placed, and may have been recorded in a scan.

Turn on Assisted Alignment in the Capture App.

Select the "More" button at the top-left of the screen.

Choose "Settings & Privacy".

Switch "Assisted Alignment" on.

Scan about 15 feet / 4.5 meters from the nearest targets.

Ensure you have a direct line-of-sight to the previous scan and marker.

Scan in an organised manner, using a grid pattern where possible.

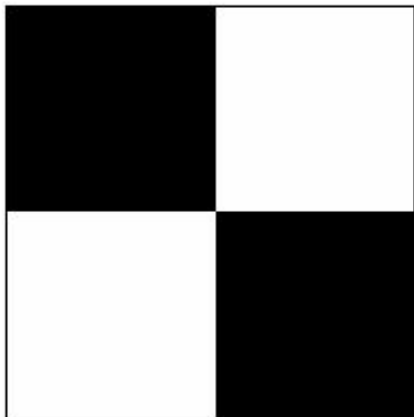
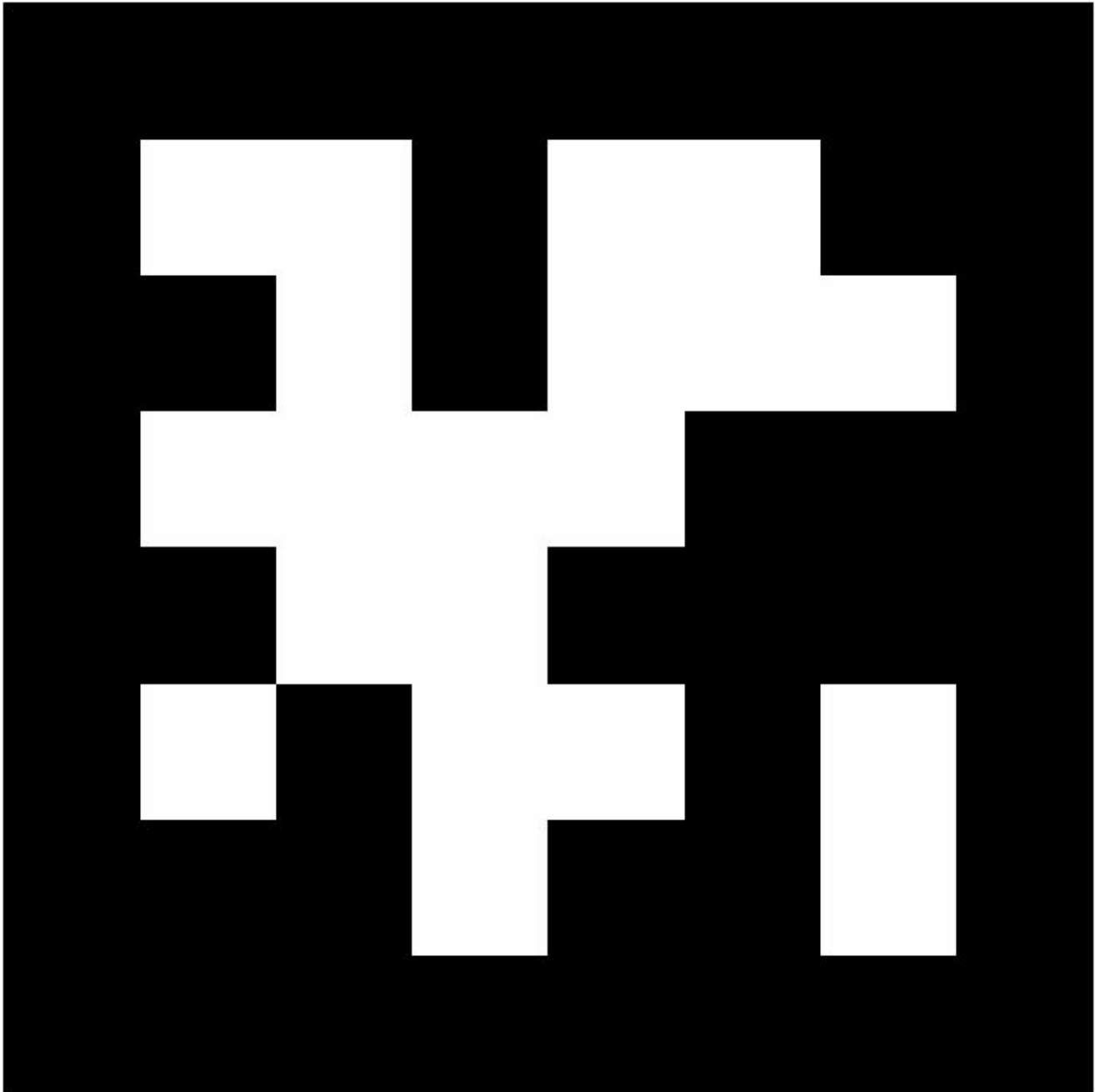
Consider scanning inside the perimeter of large open spaces to begin with as this should result in a strong frame.

If you are scanning at 30ft/9m intervals add an additional scan between the end scans in every row.

In long corridors, watch out for possible misalignment as you scan, and add additional off-centre scans where there are distinctive features like recesses, stairwells etc.

For more information on using these targets

<https://hitechniques.ie/blog/assisted-alignment/>



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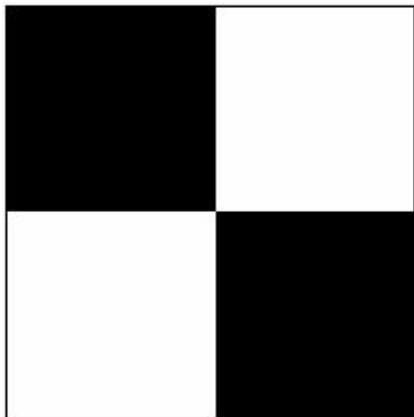
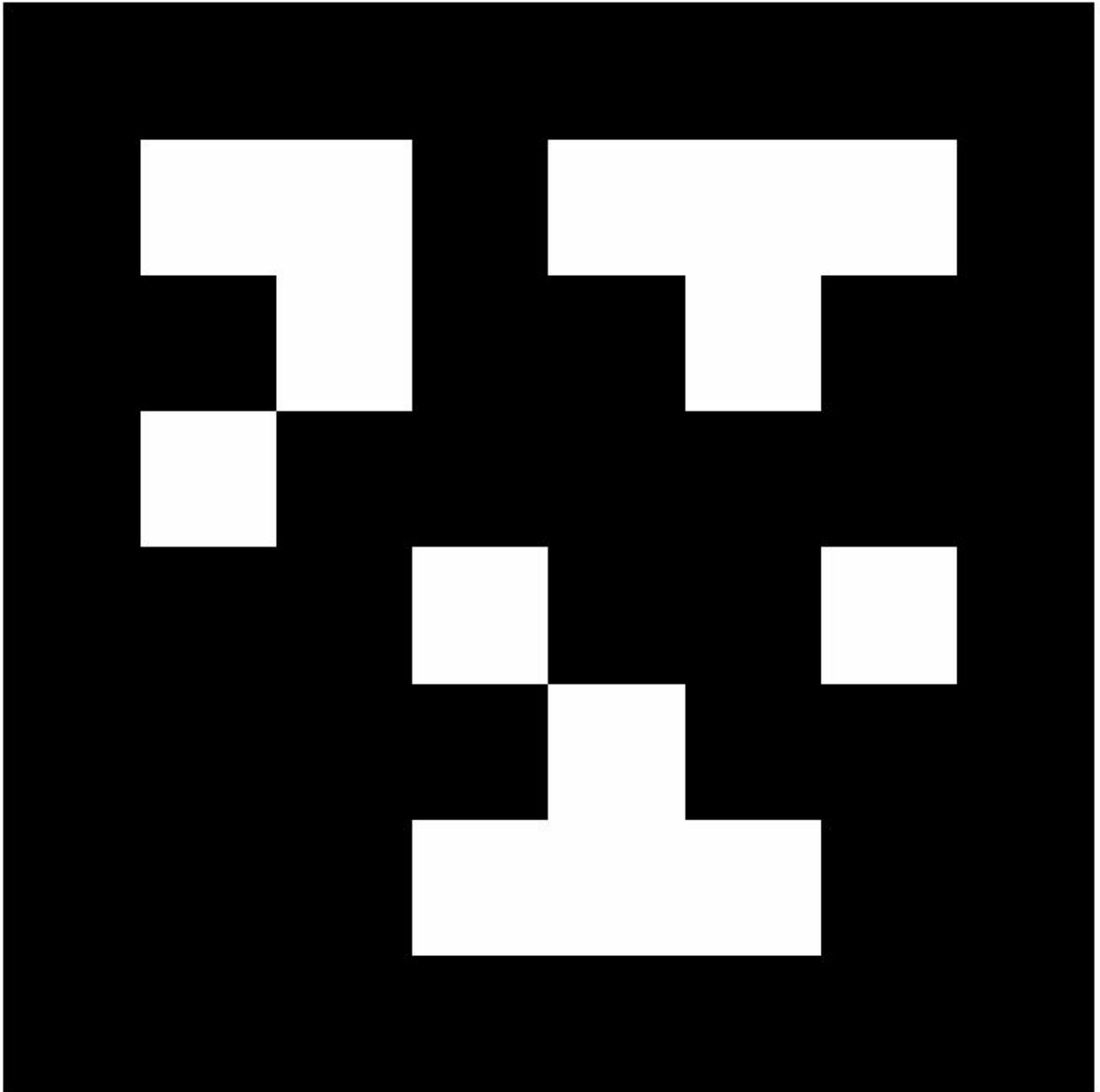
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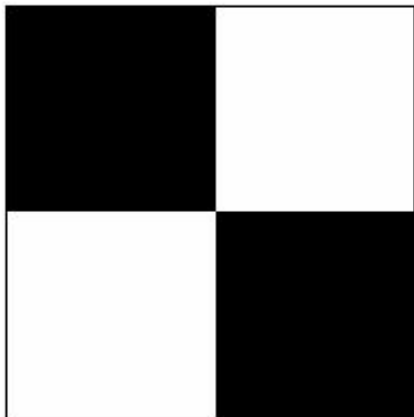
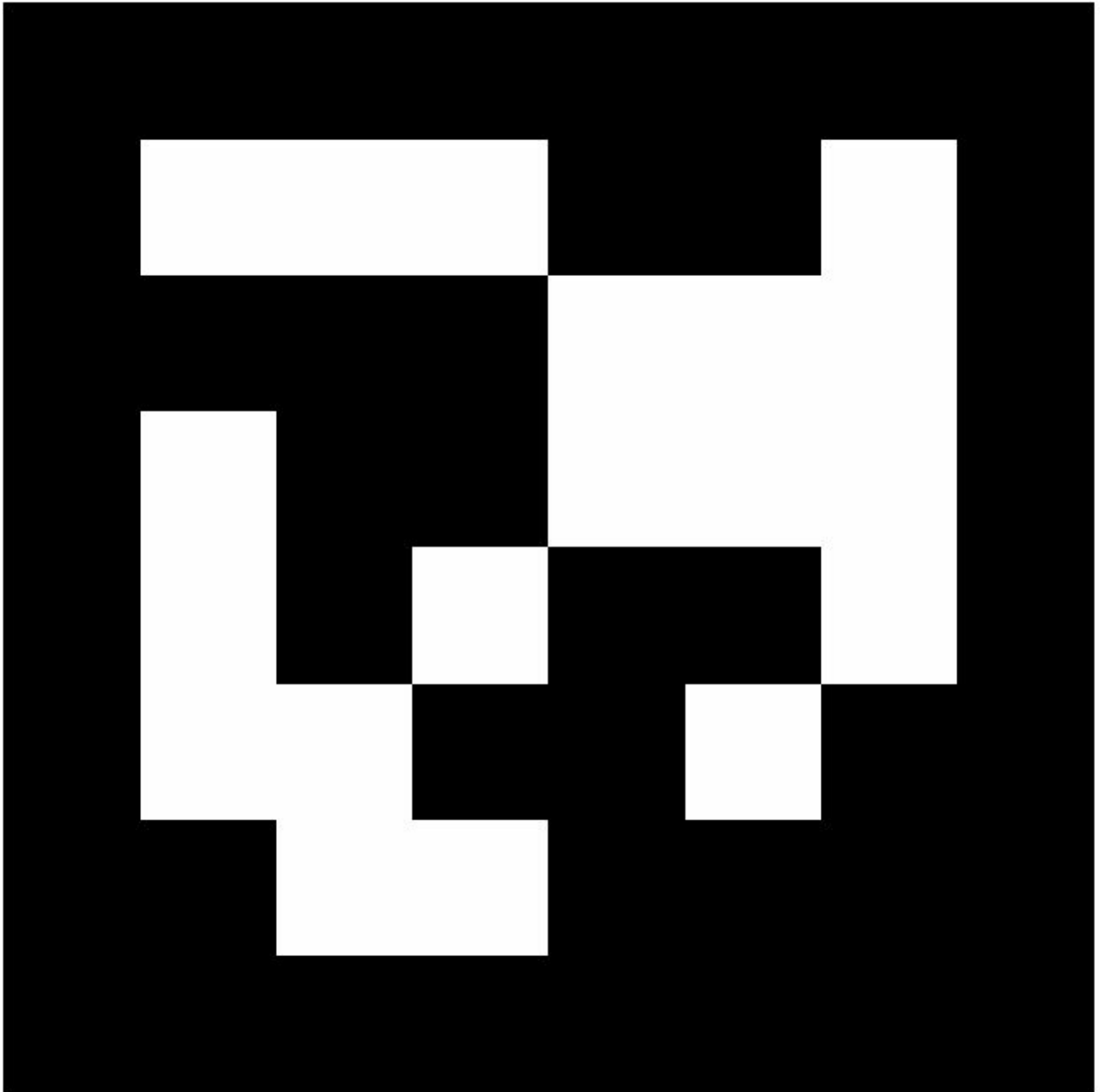
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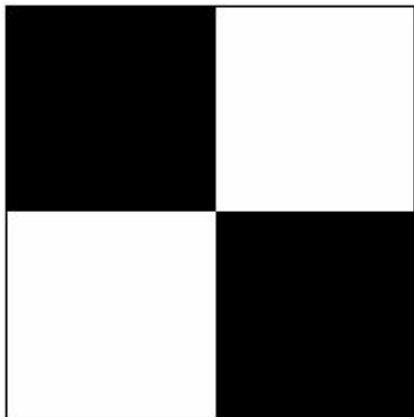
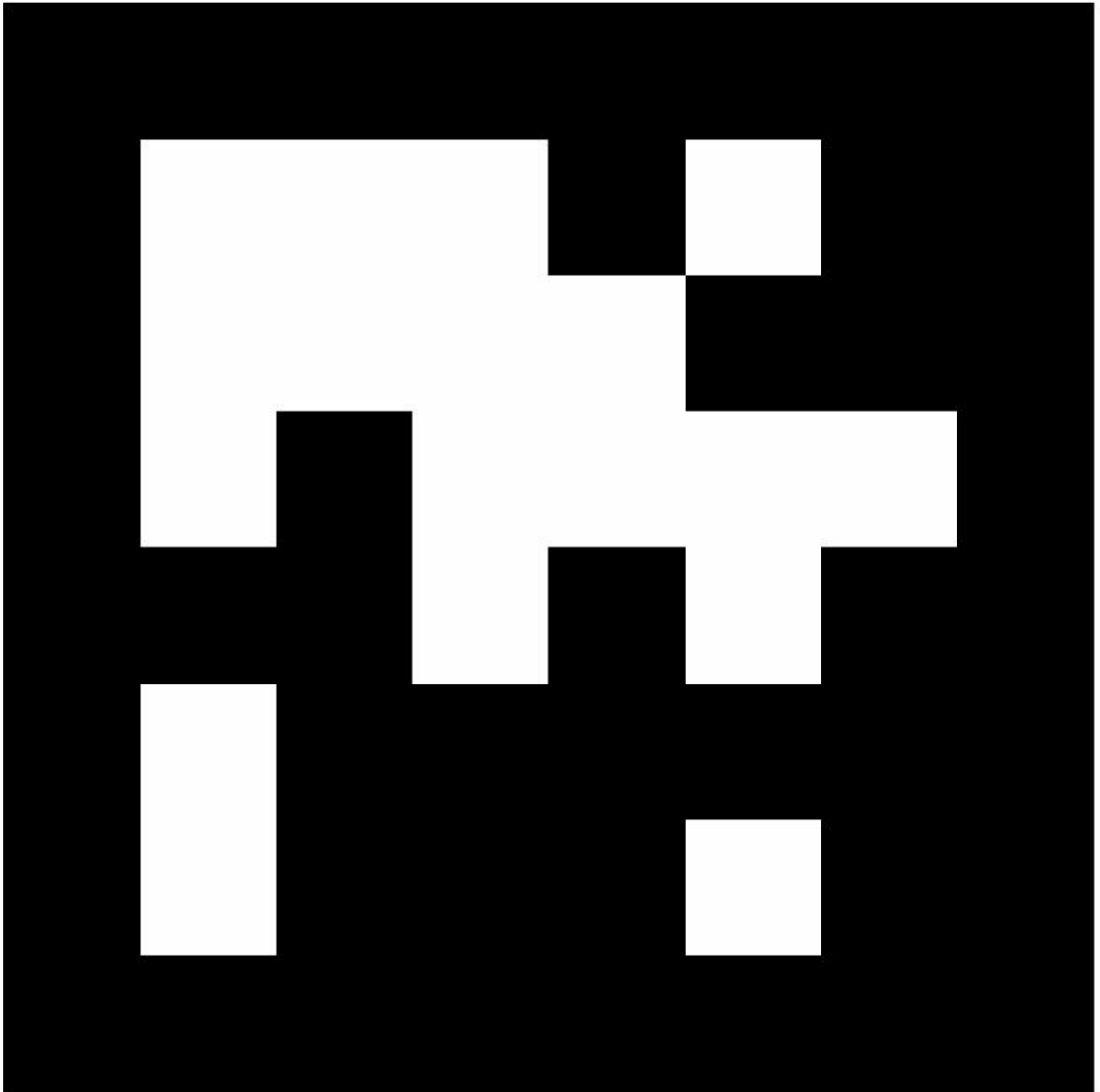
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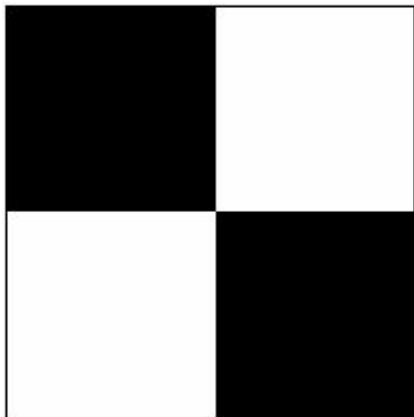
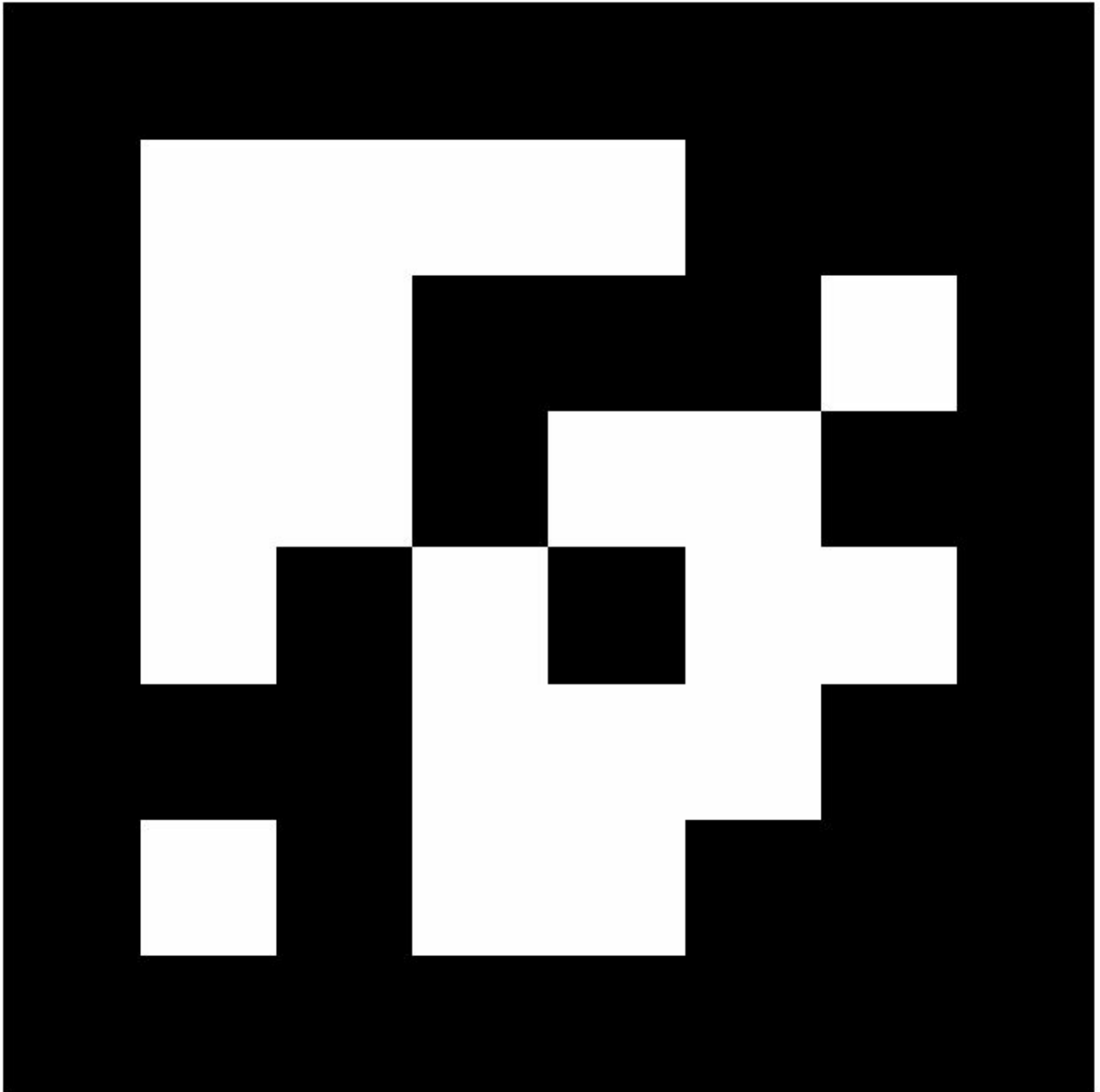
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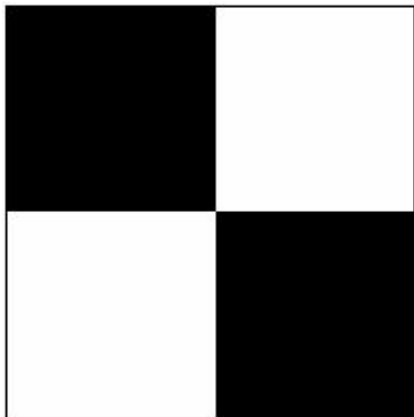
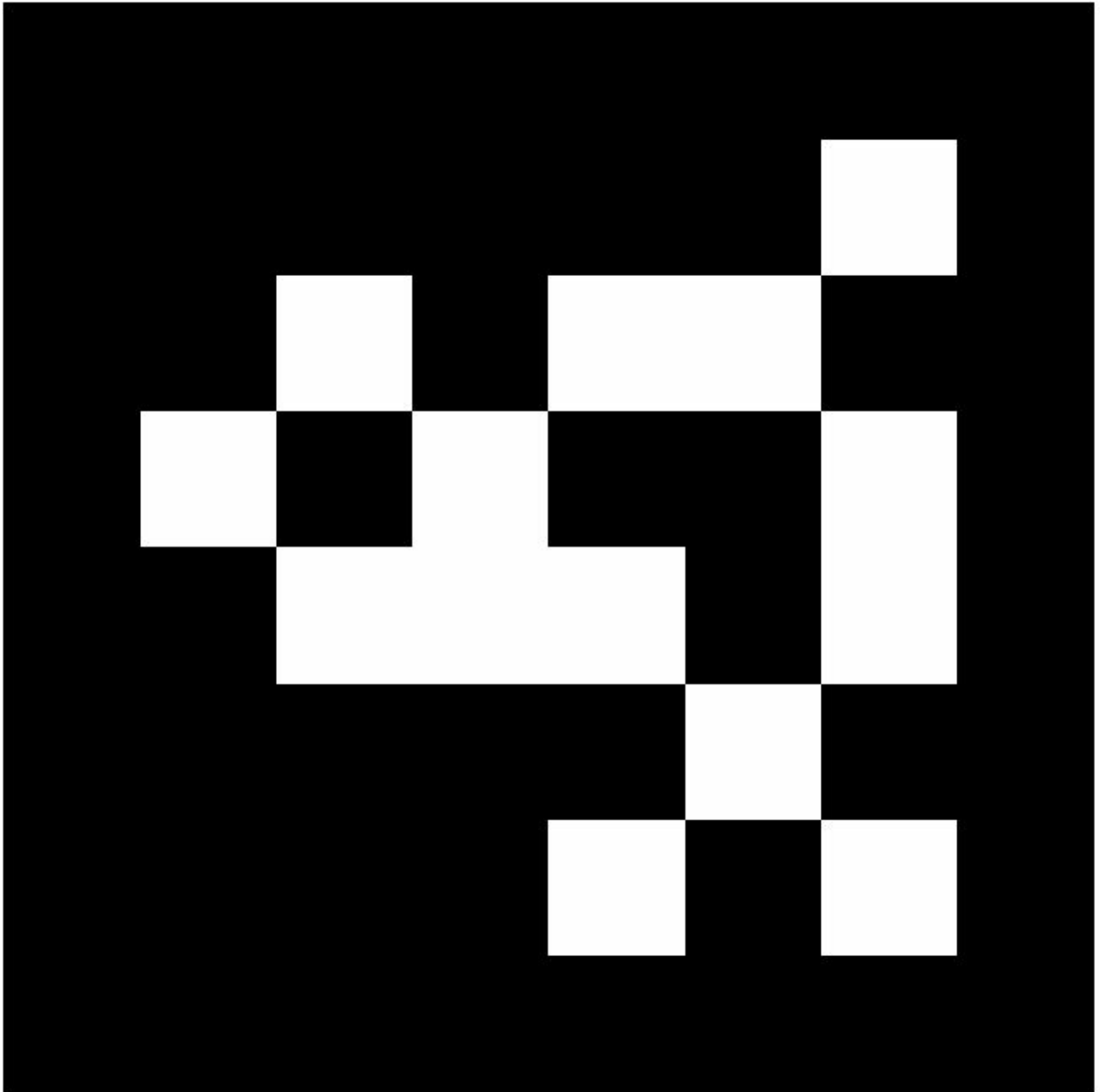
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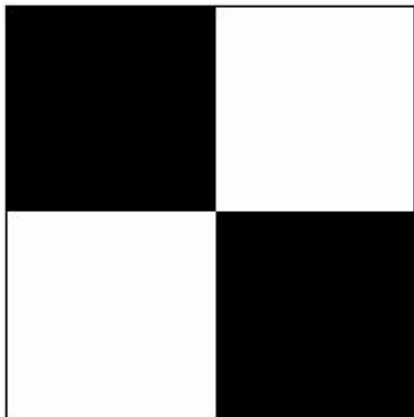
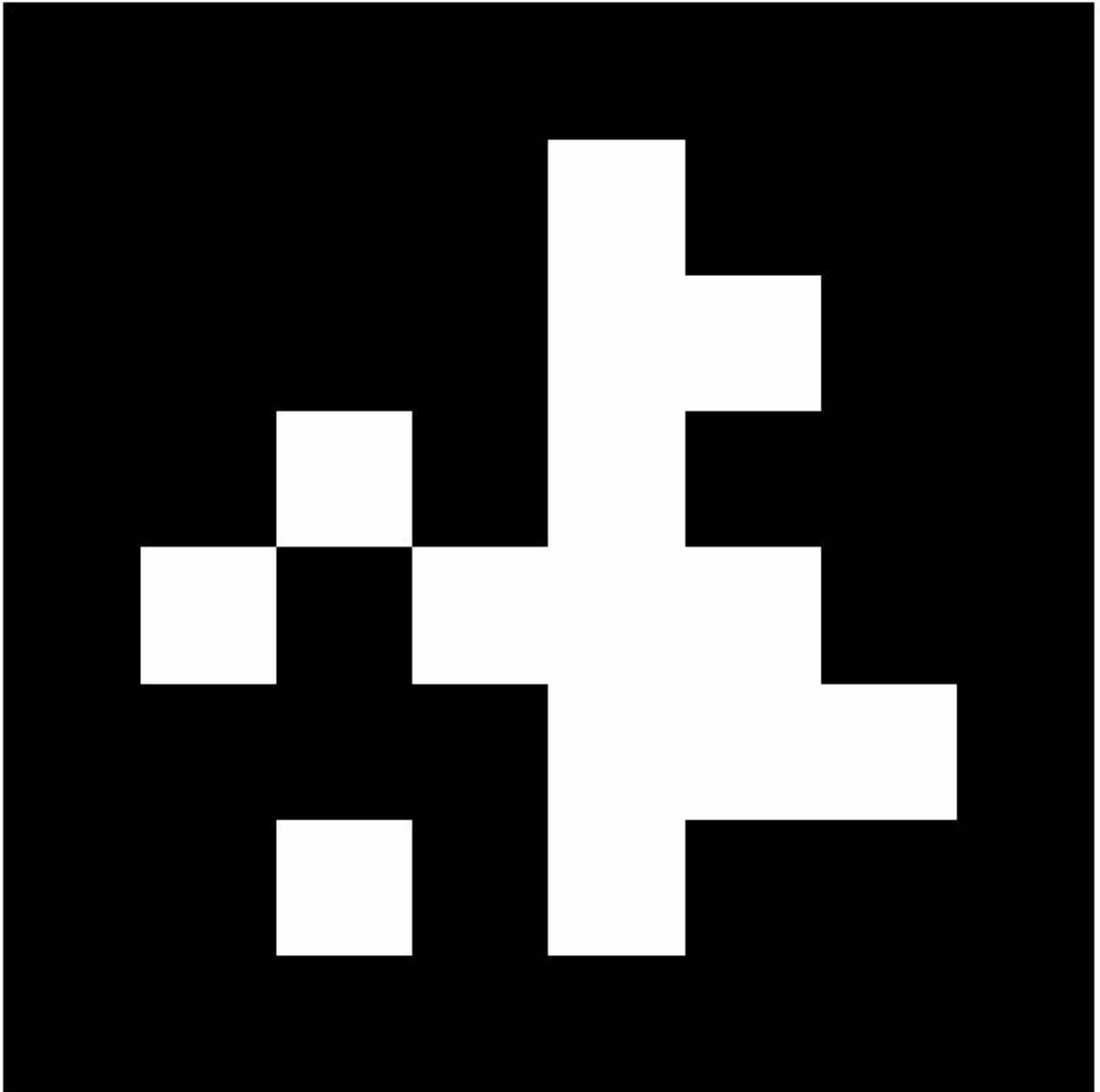
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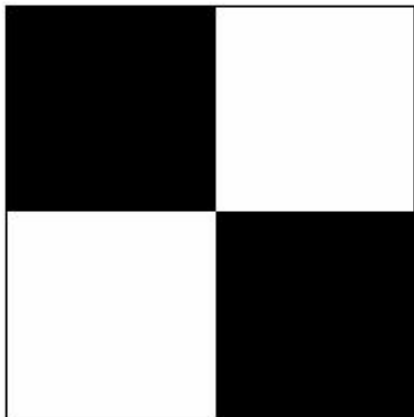
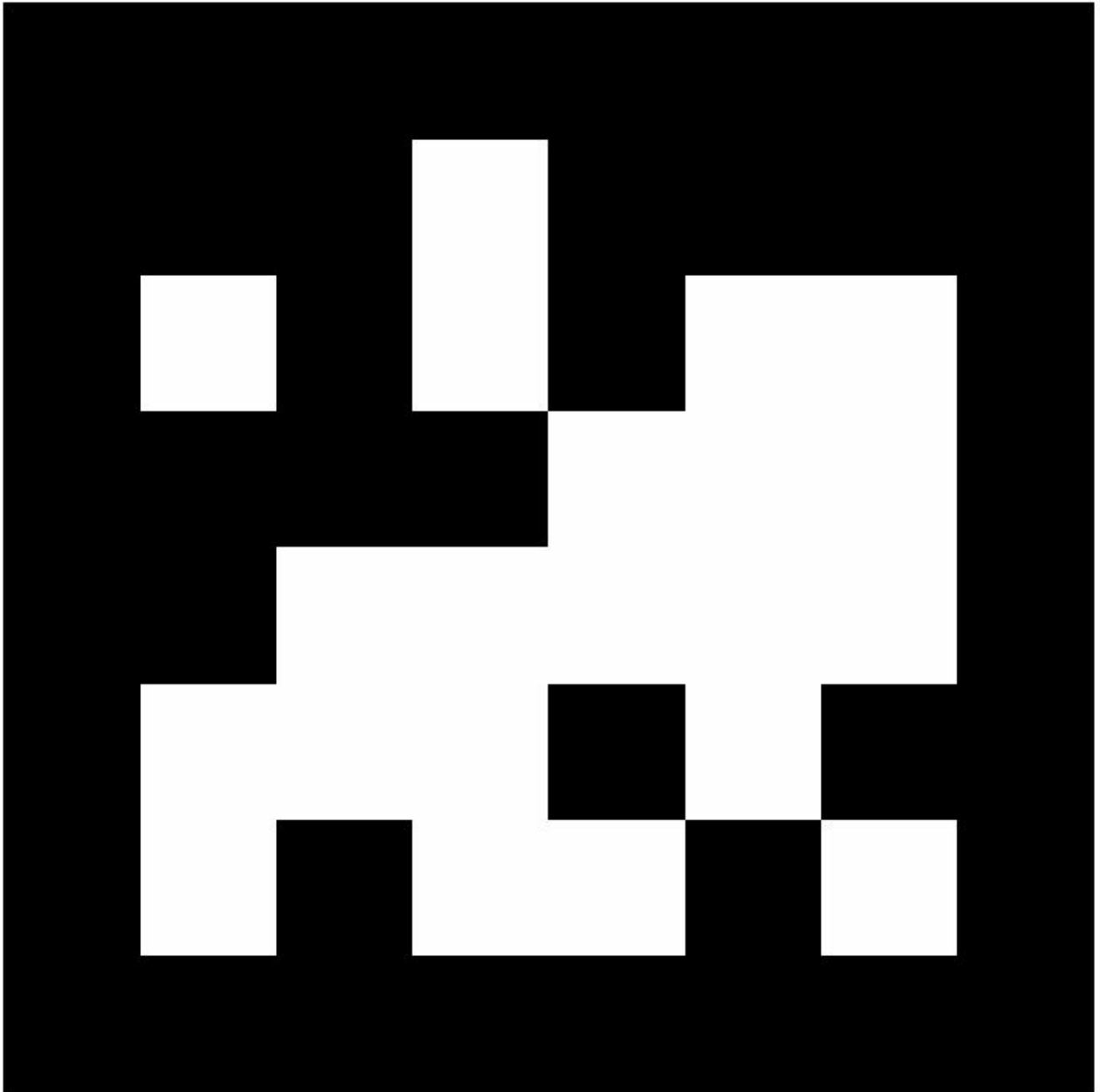
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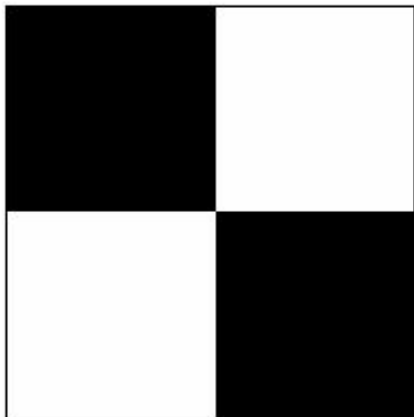
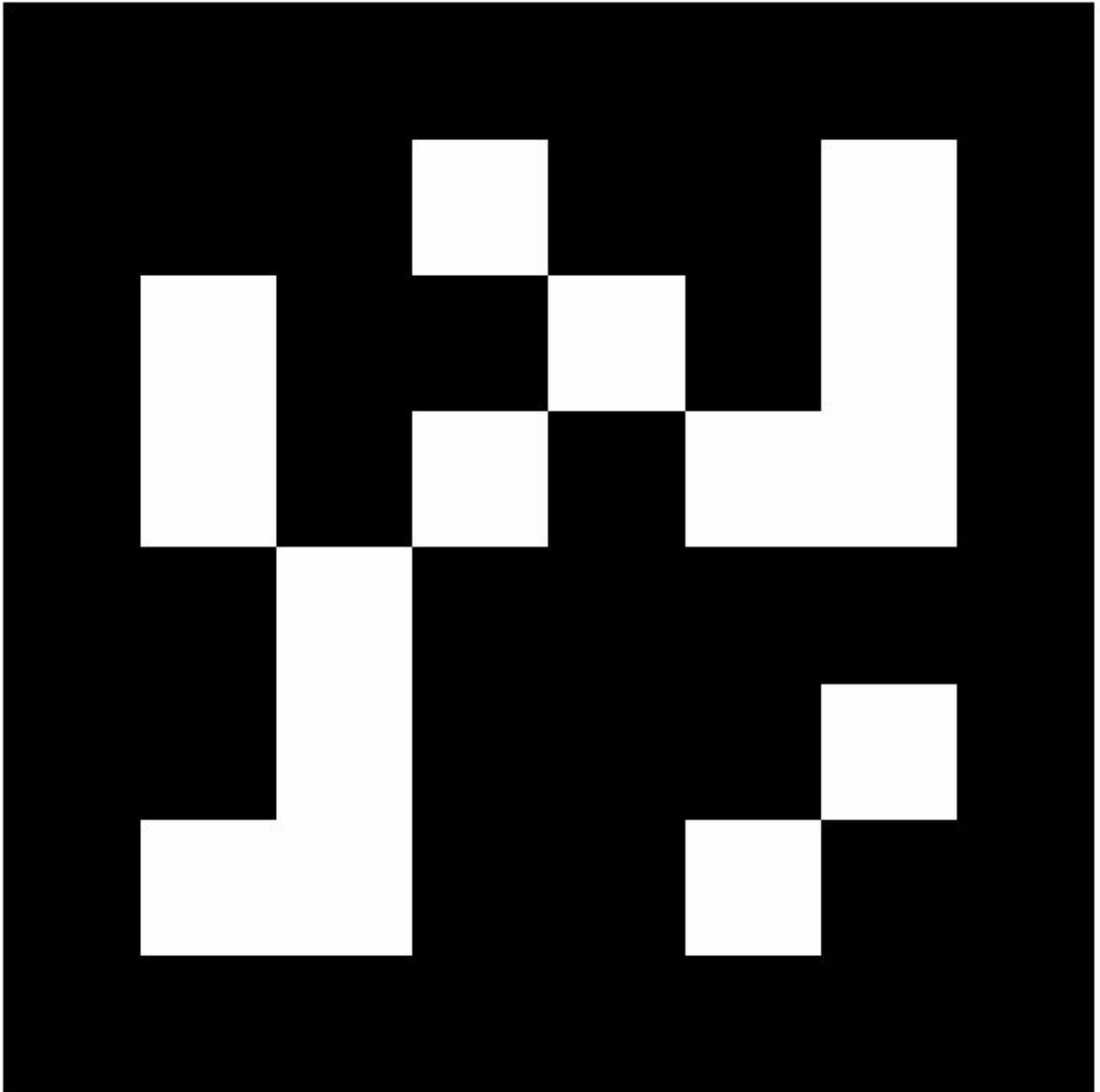
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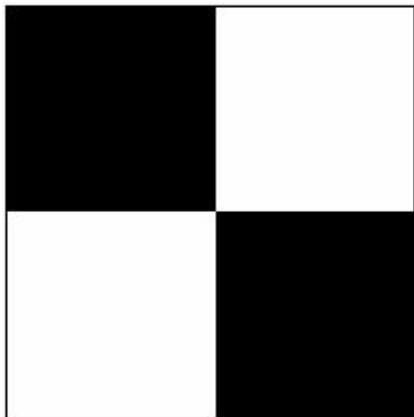
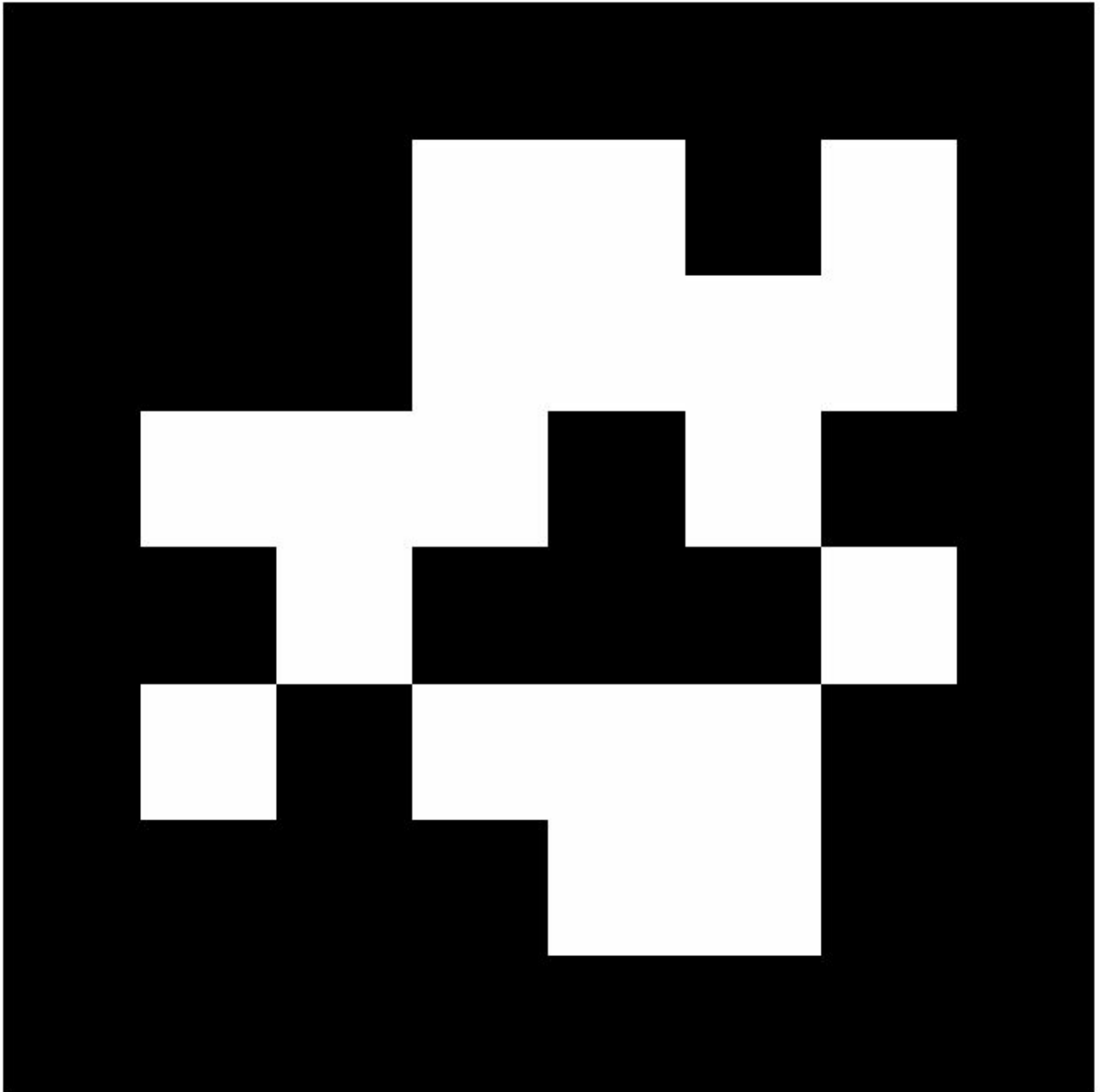
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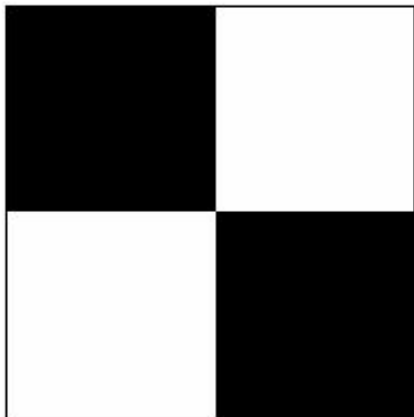
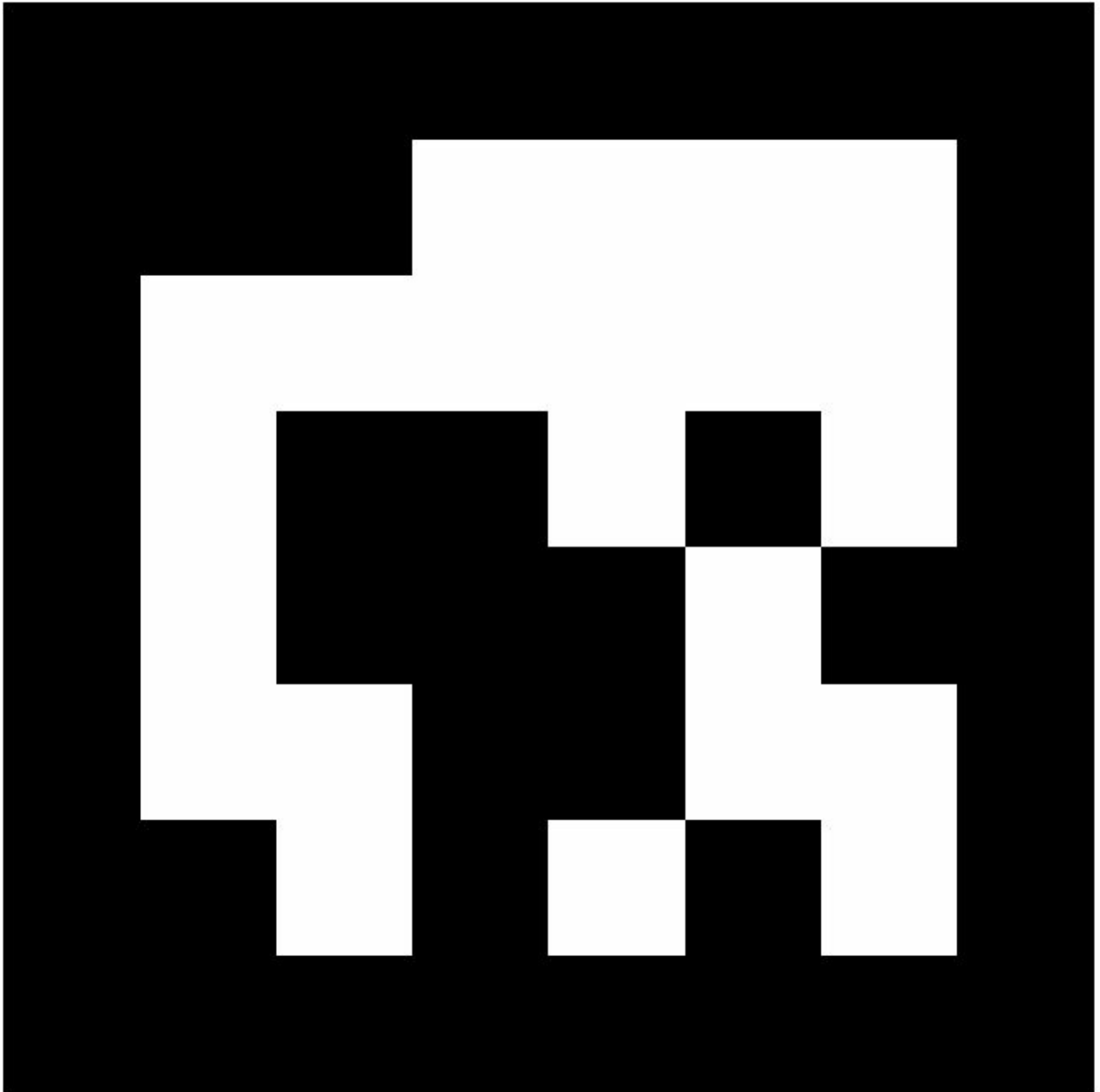
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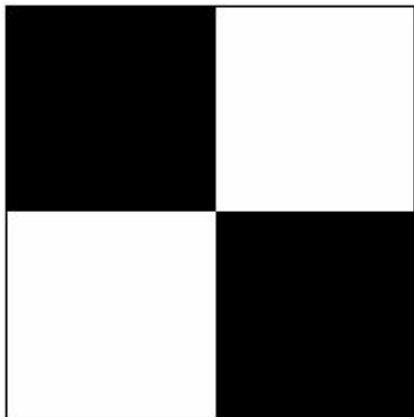
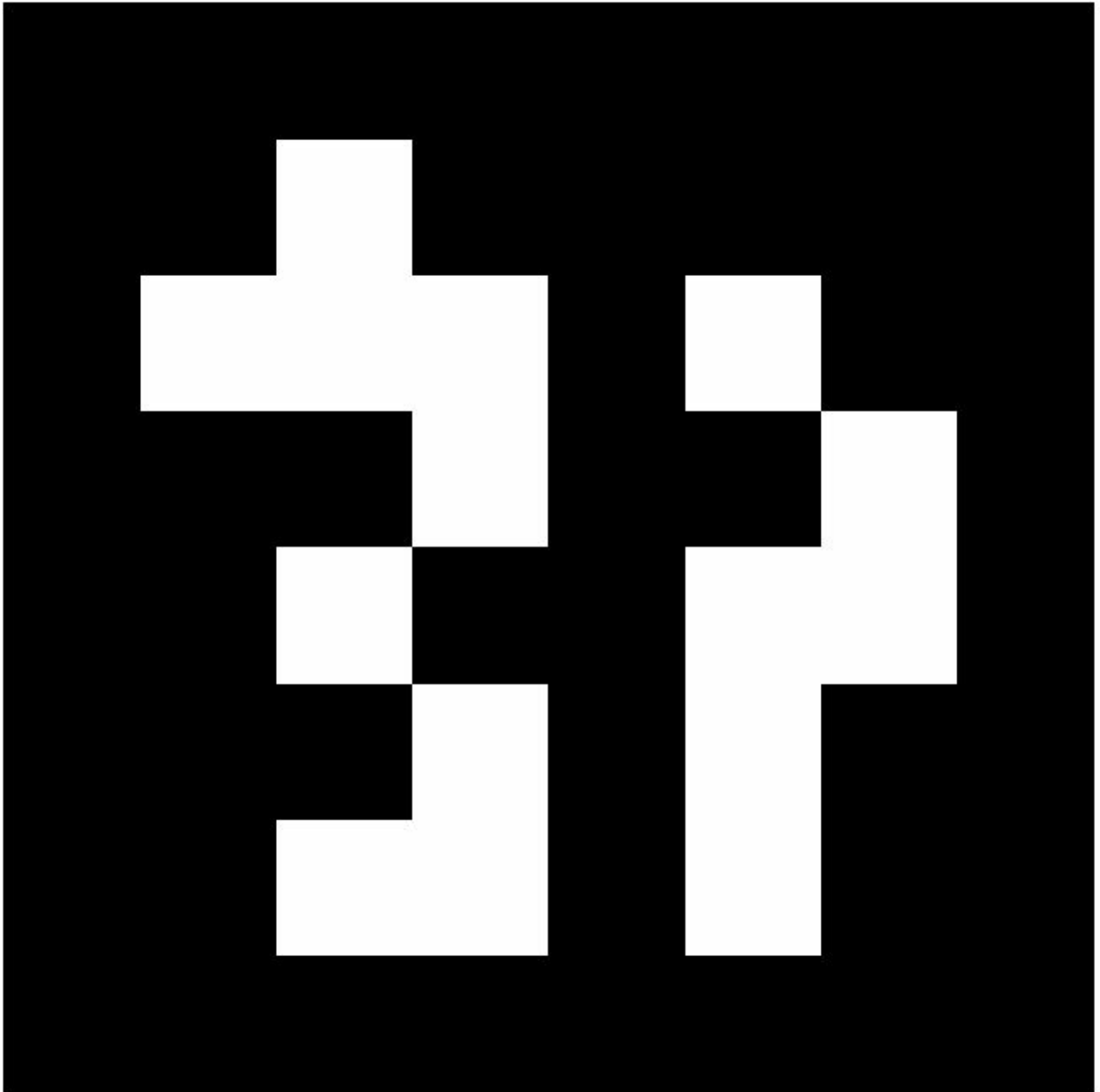
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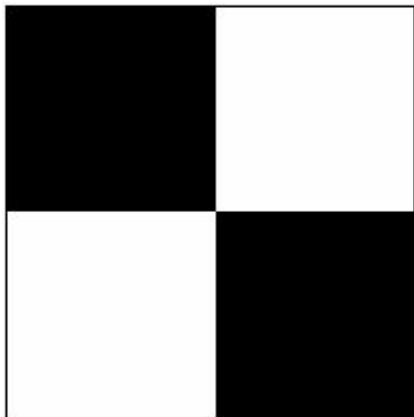
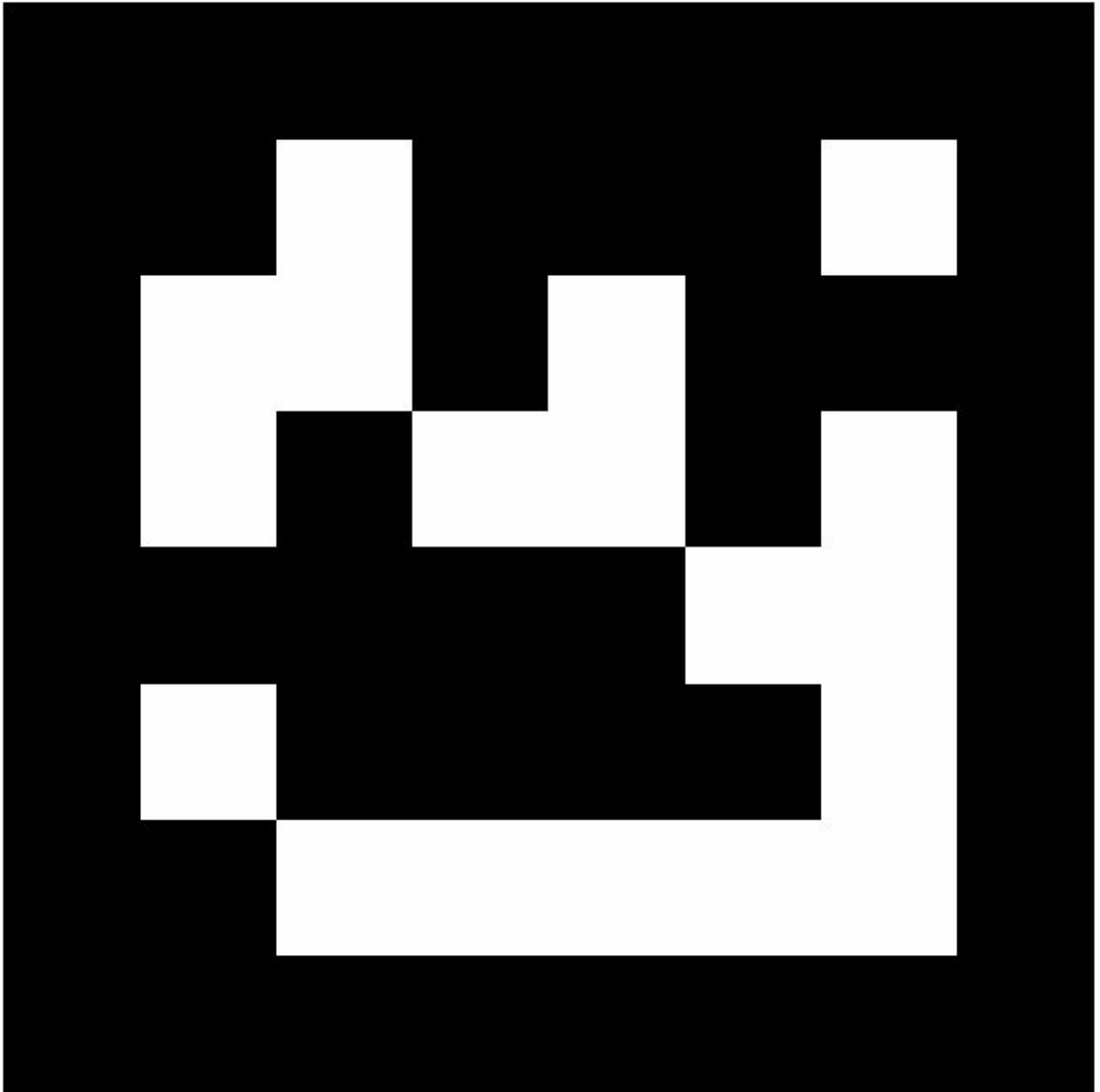
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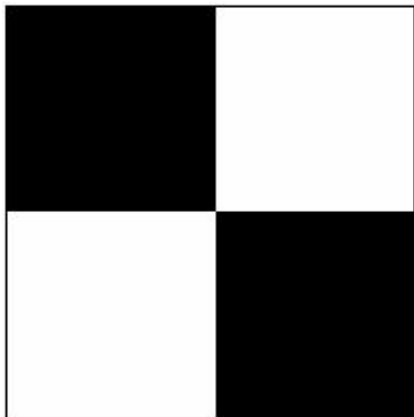
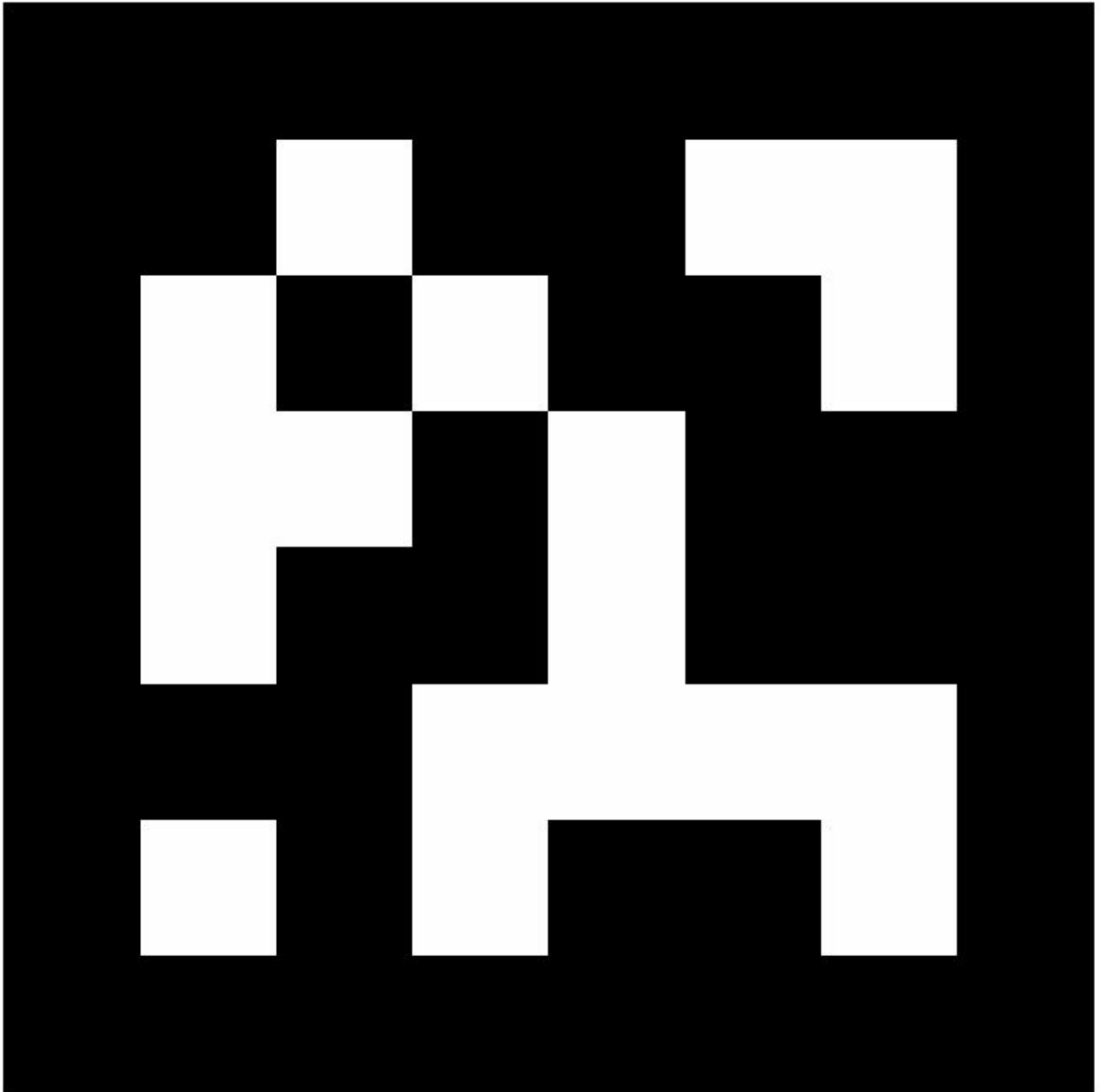
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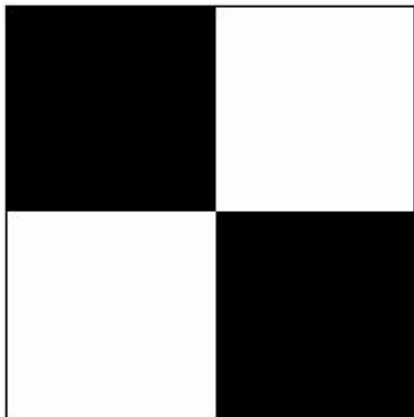
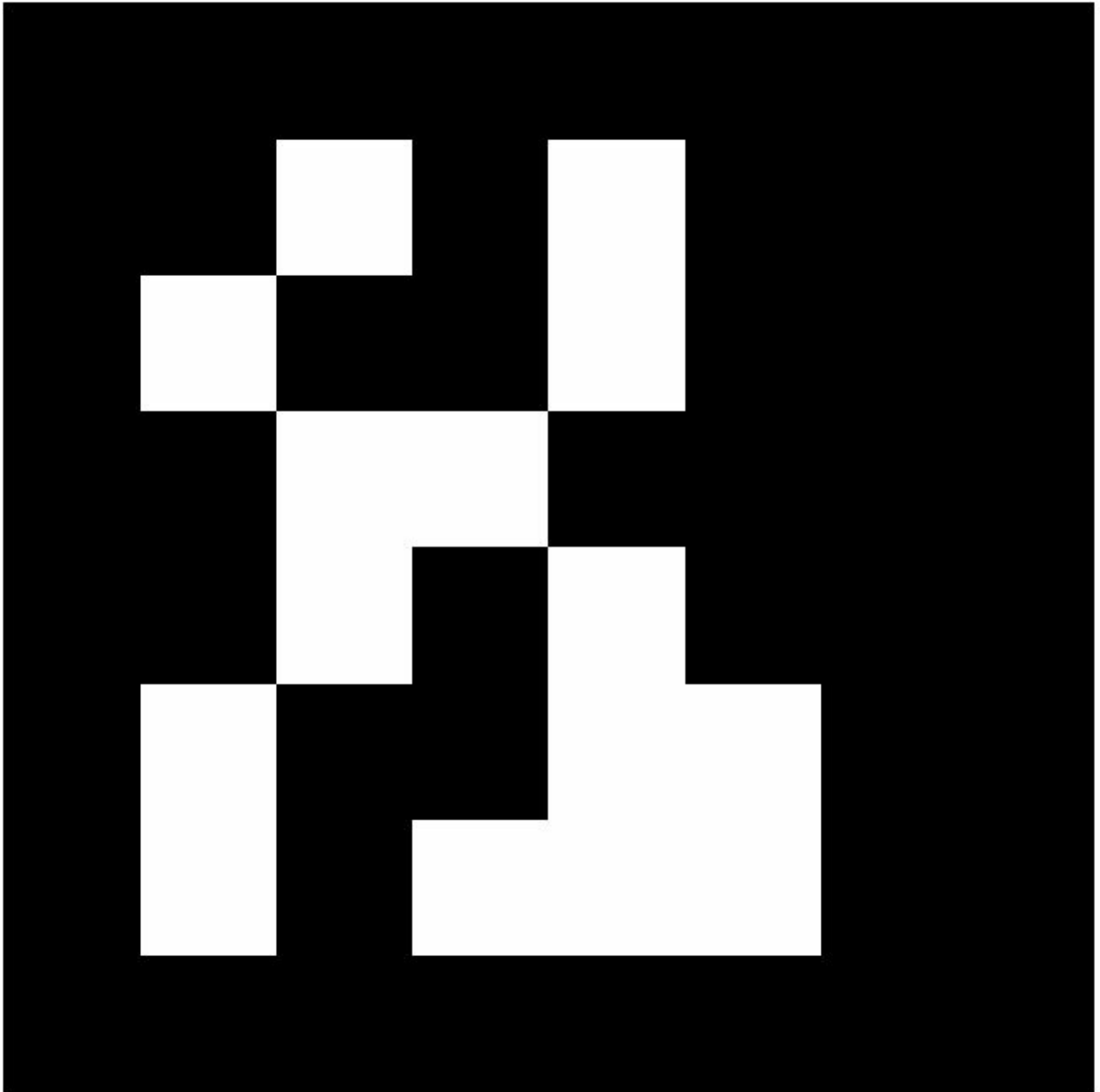
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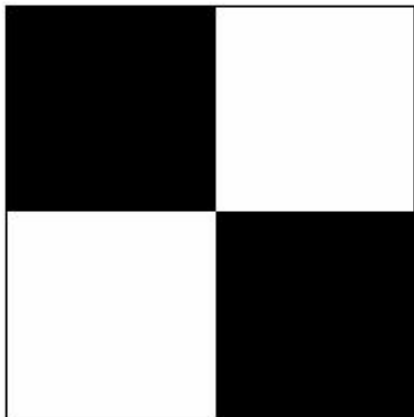
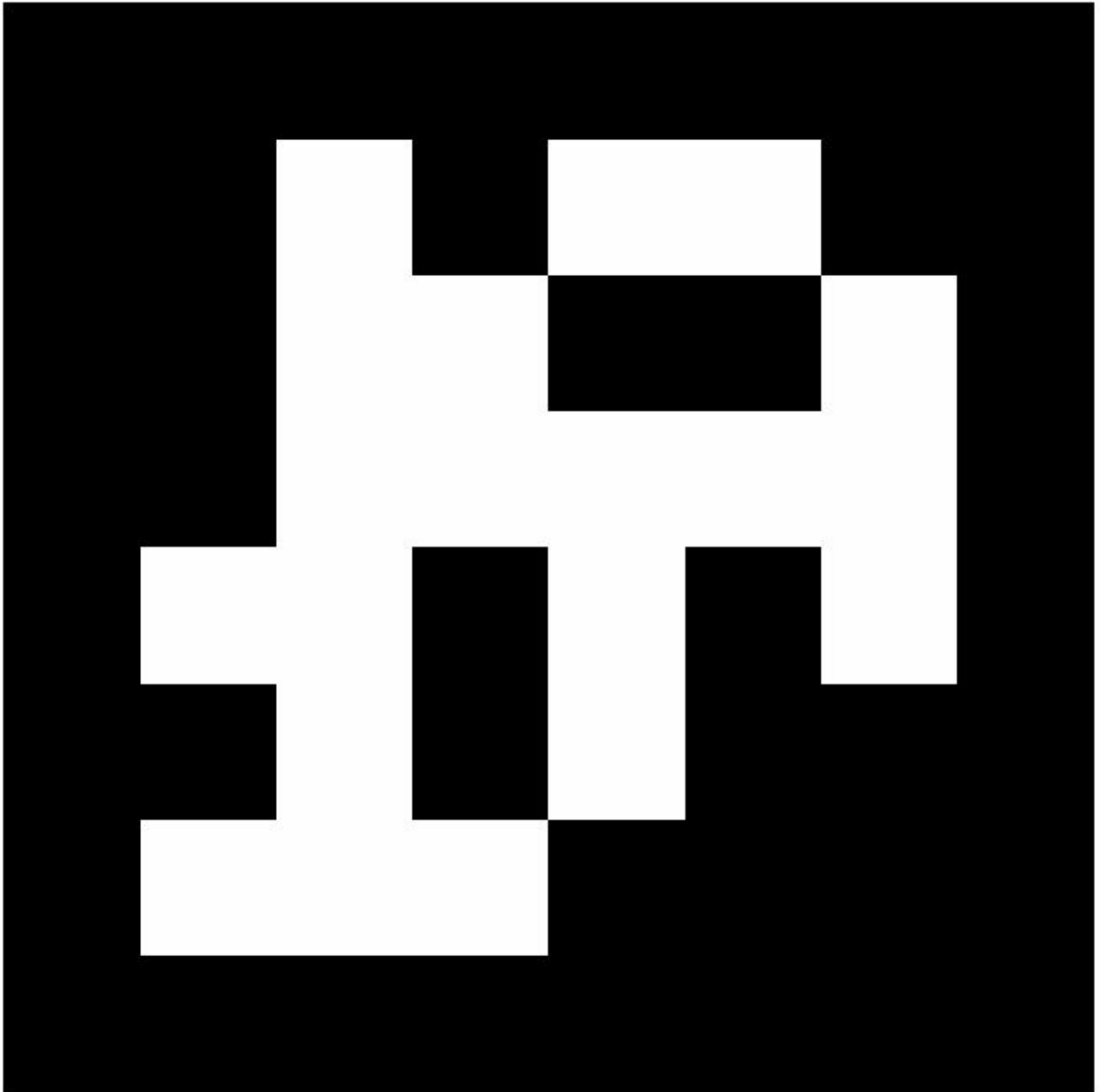
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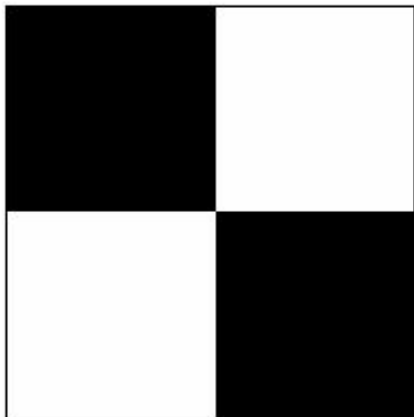
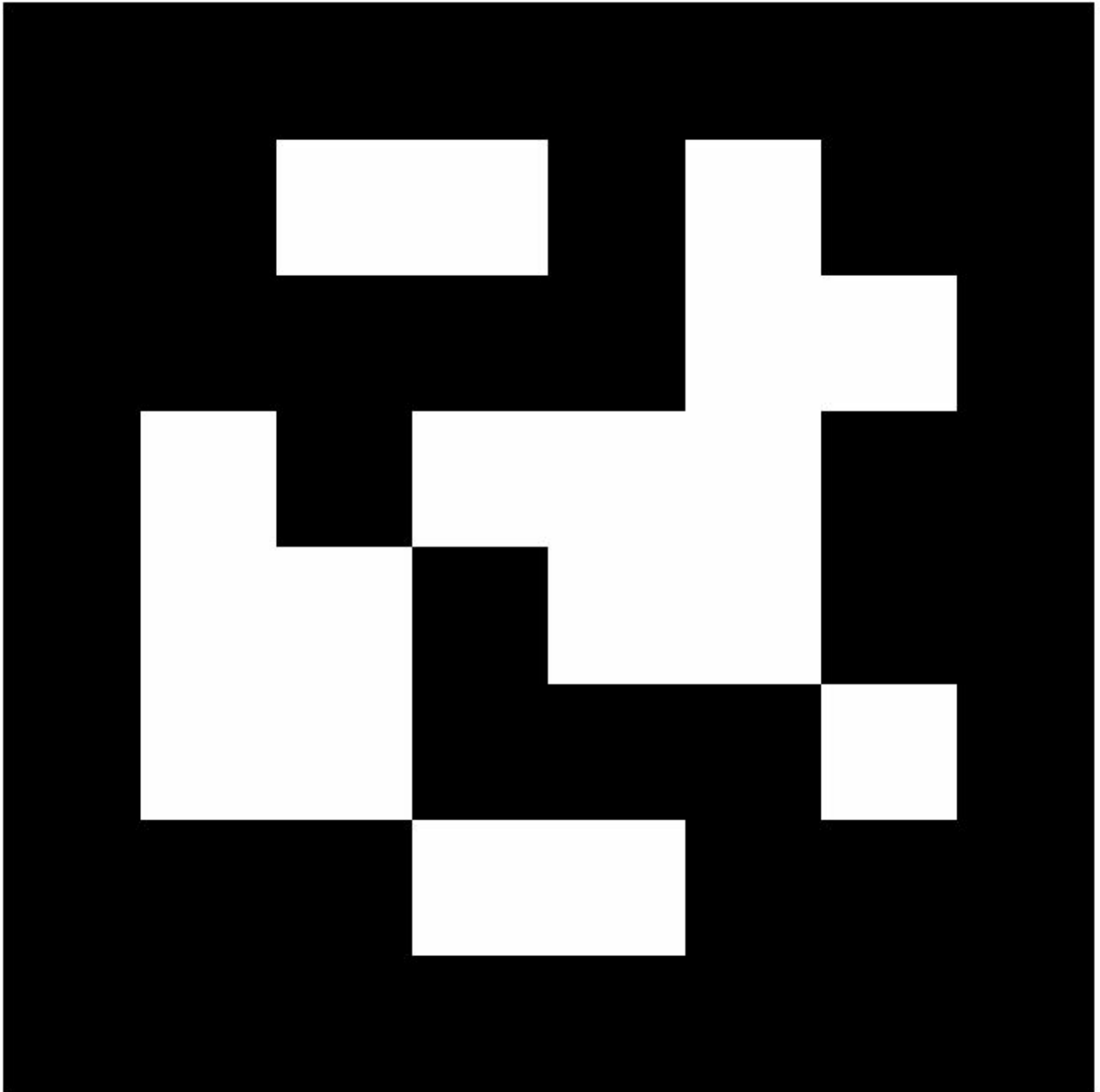
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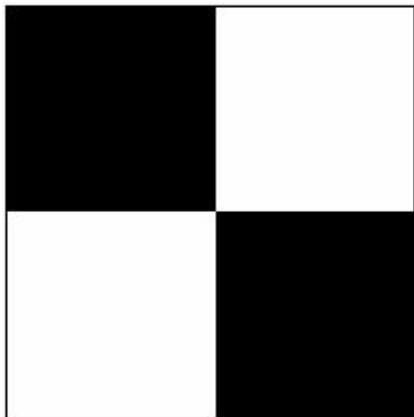
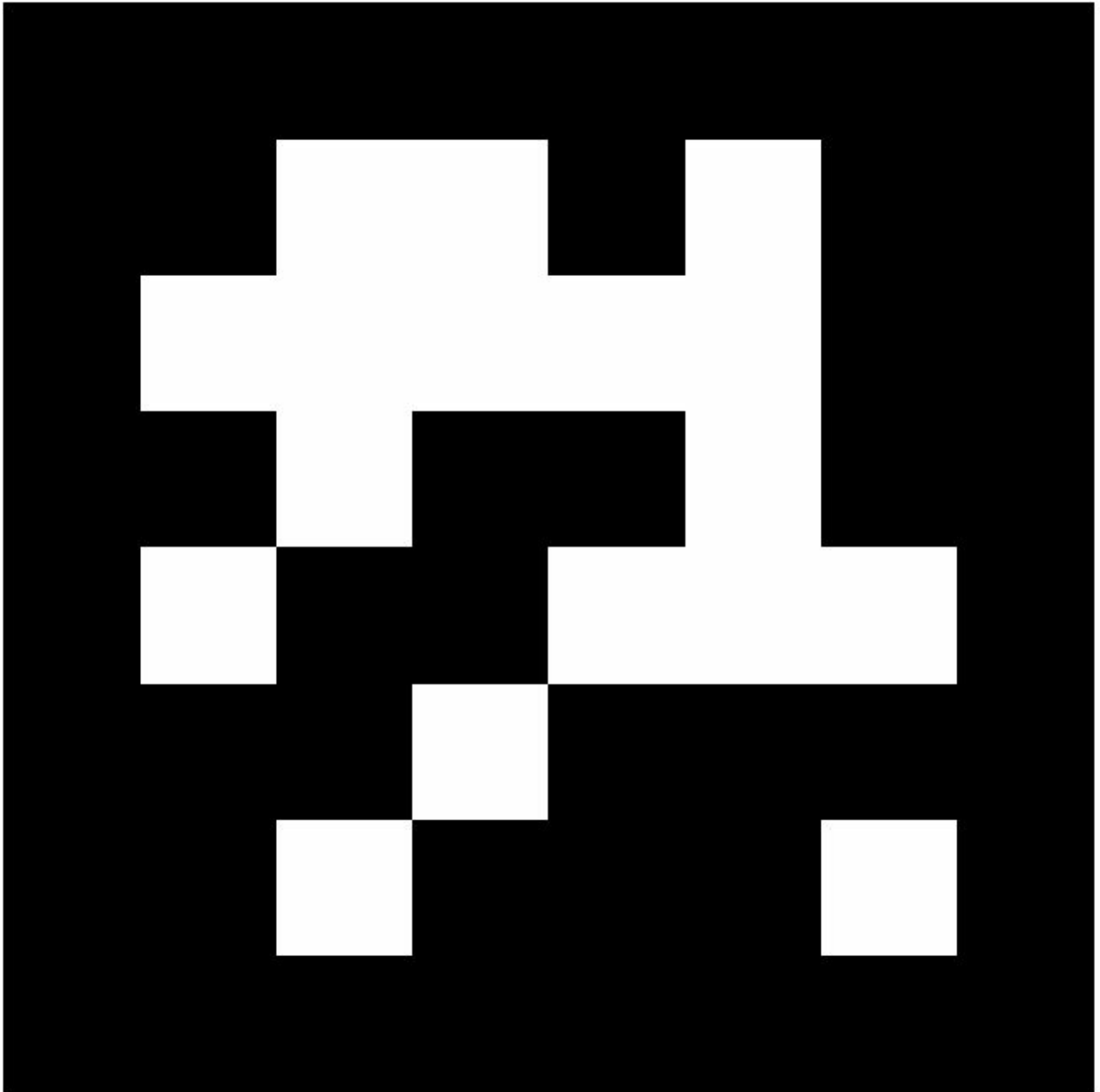
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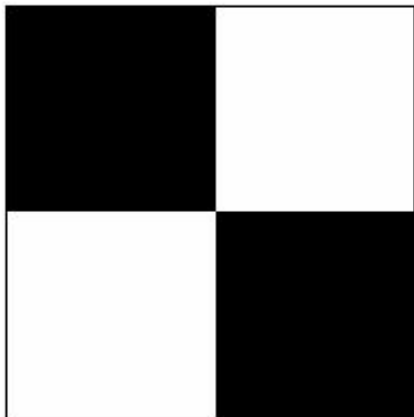
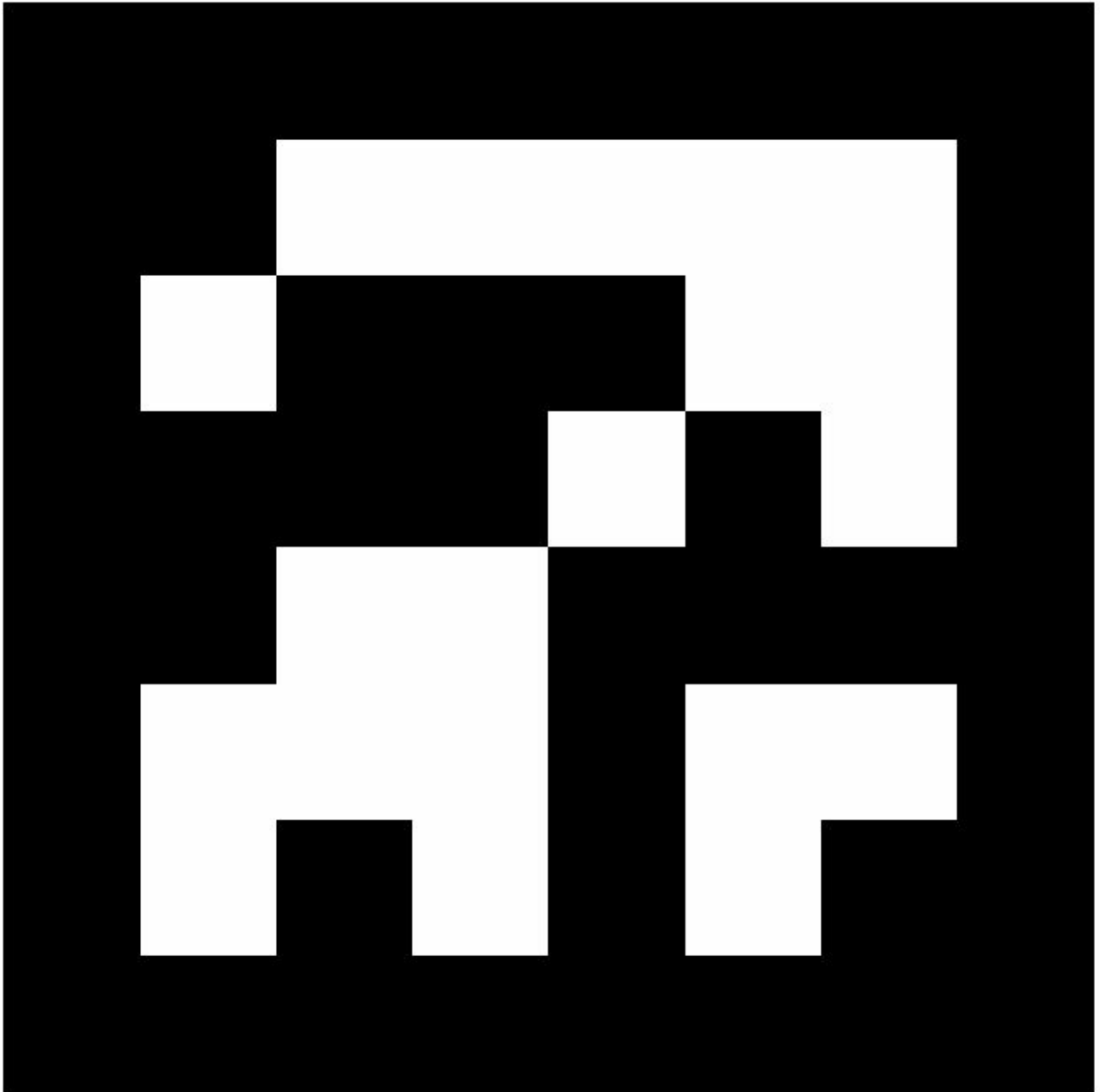
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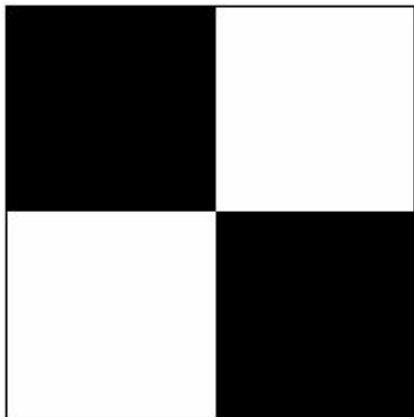
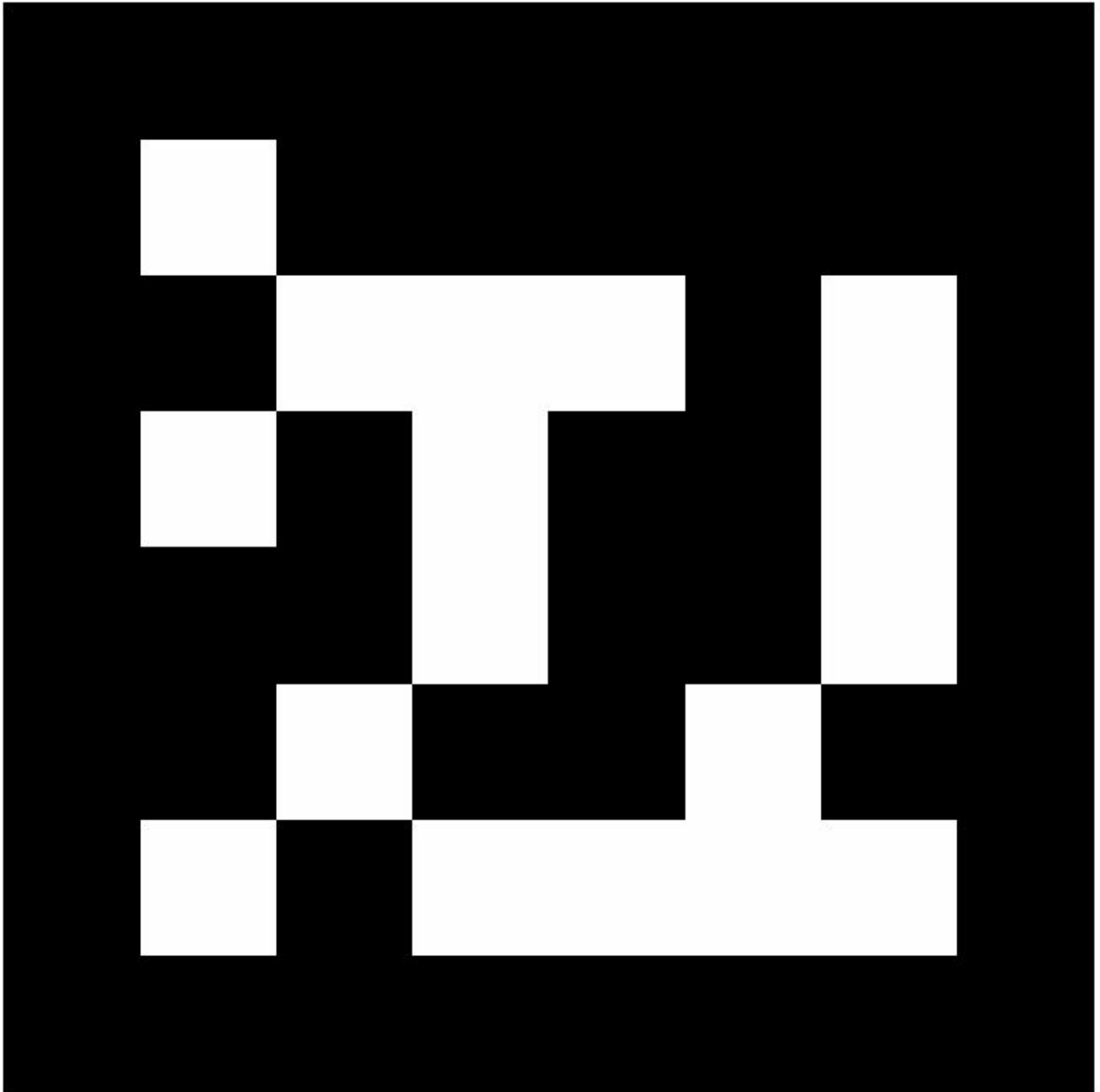
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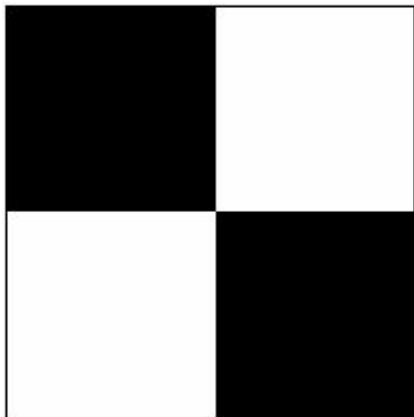
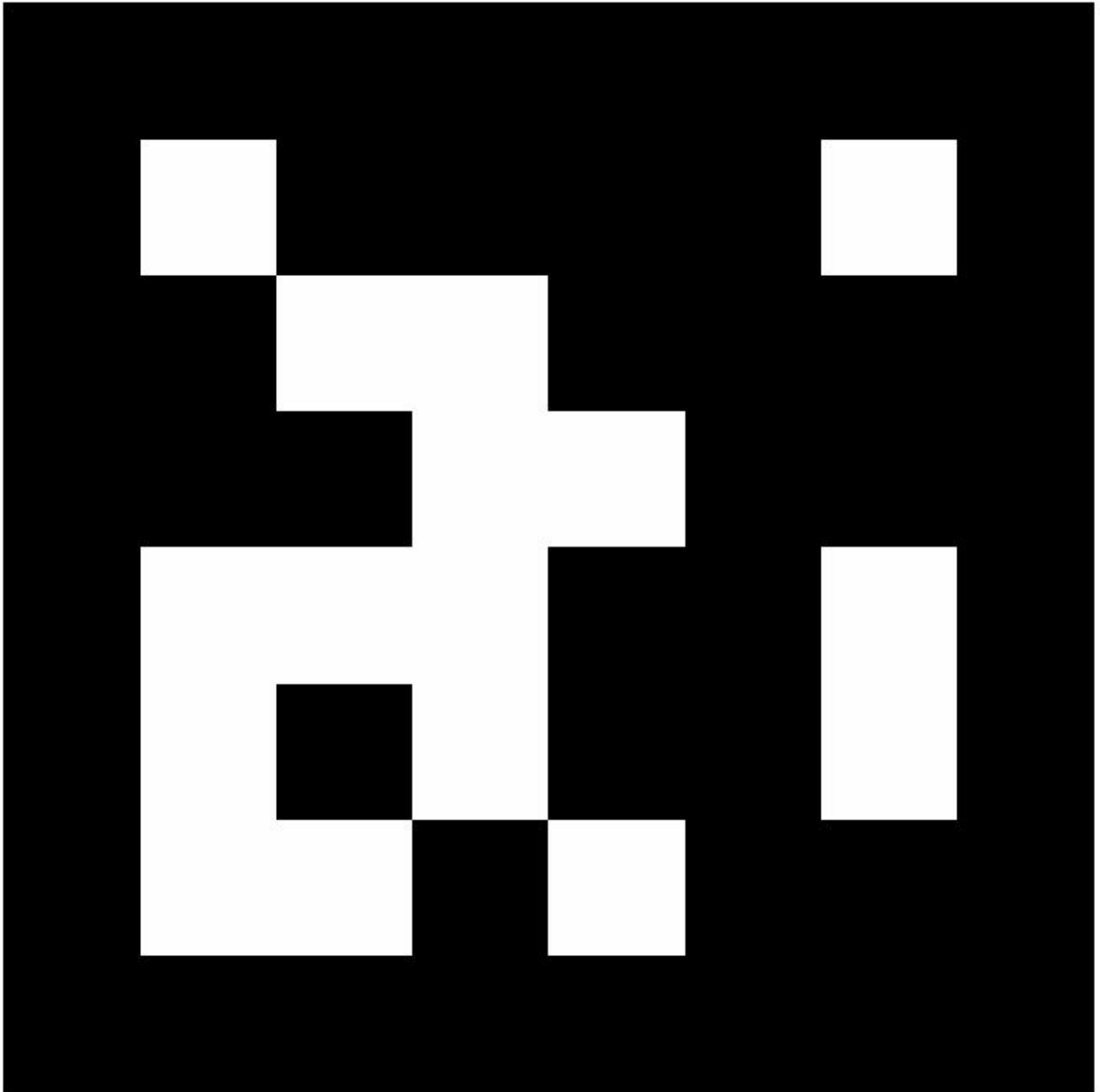
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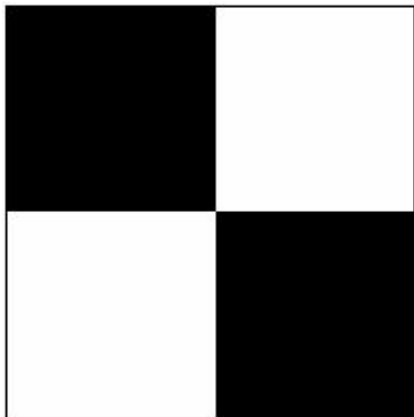
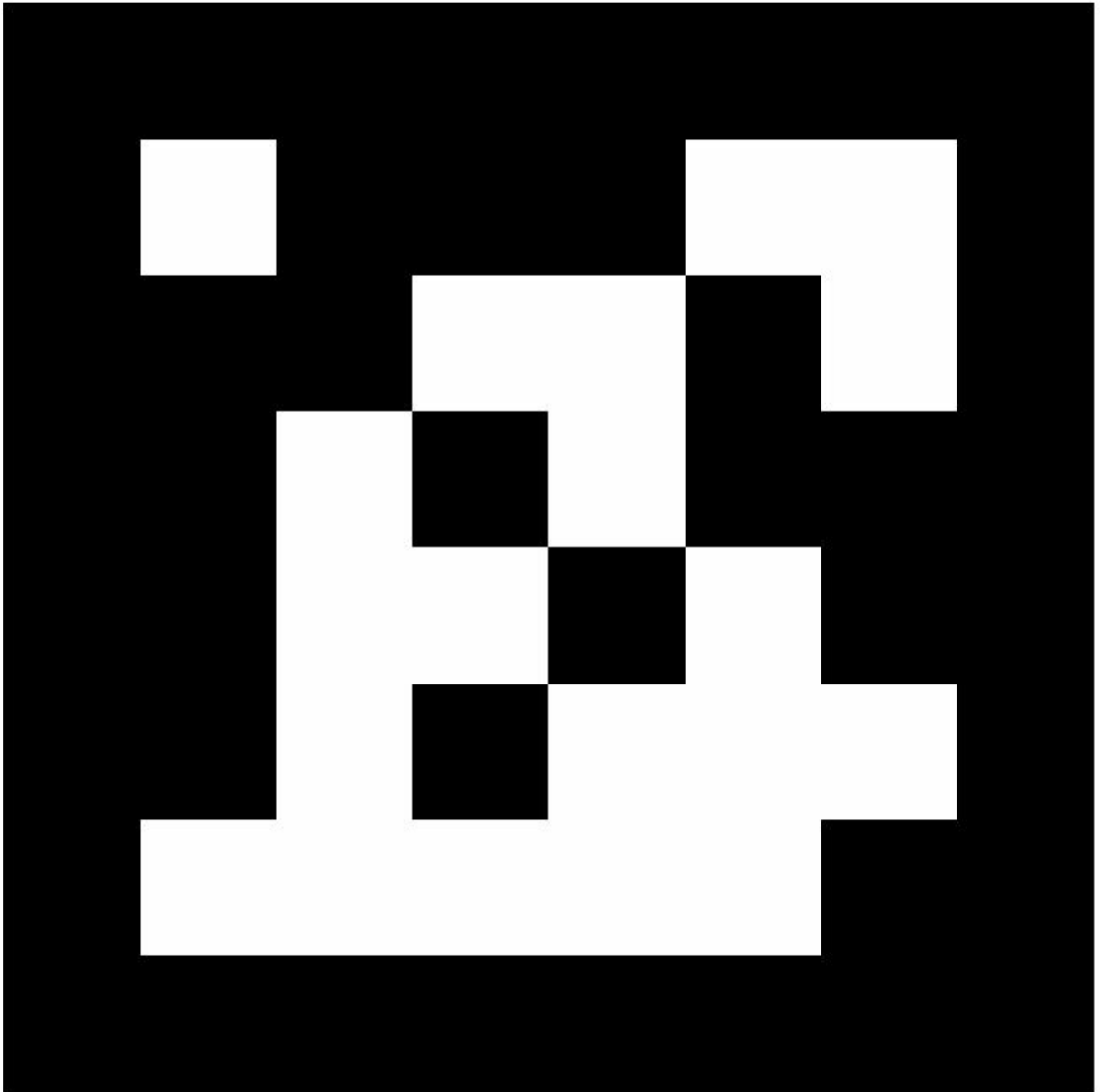
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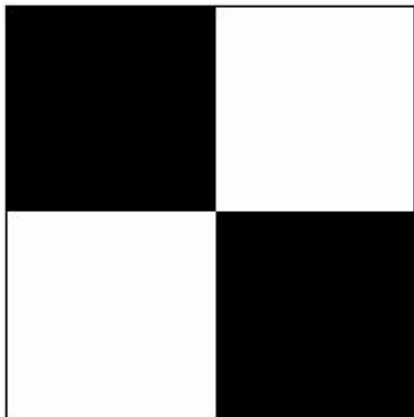
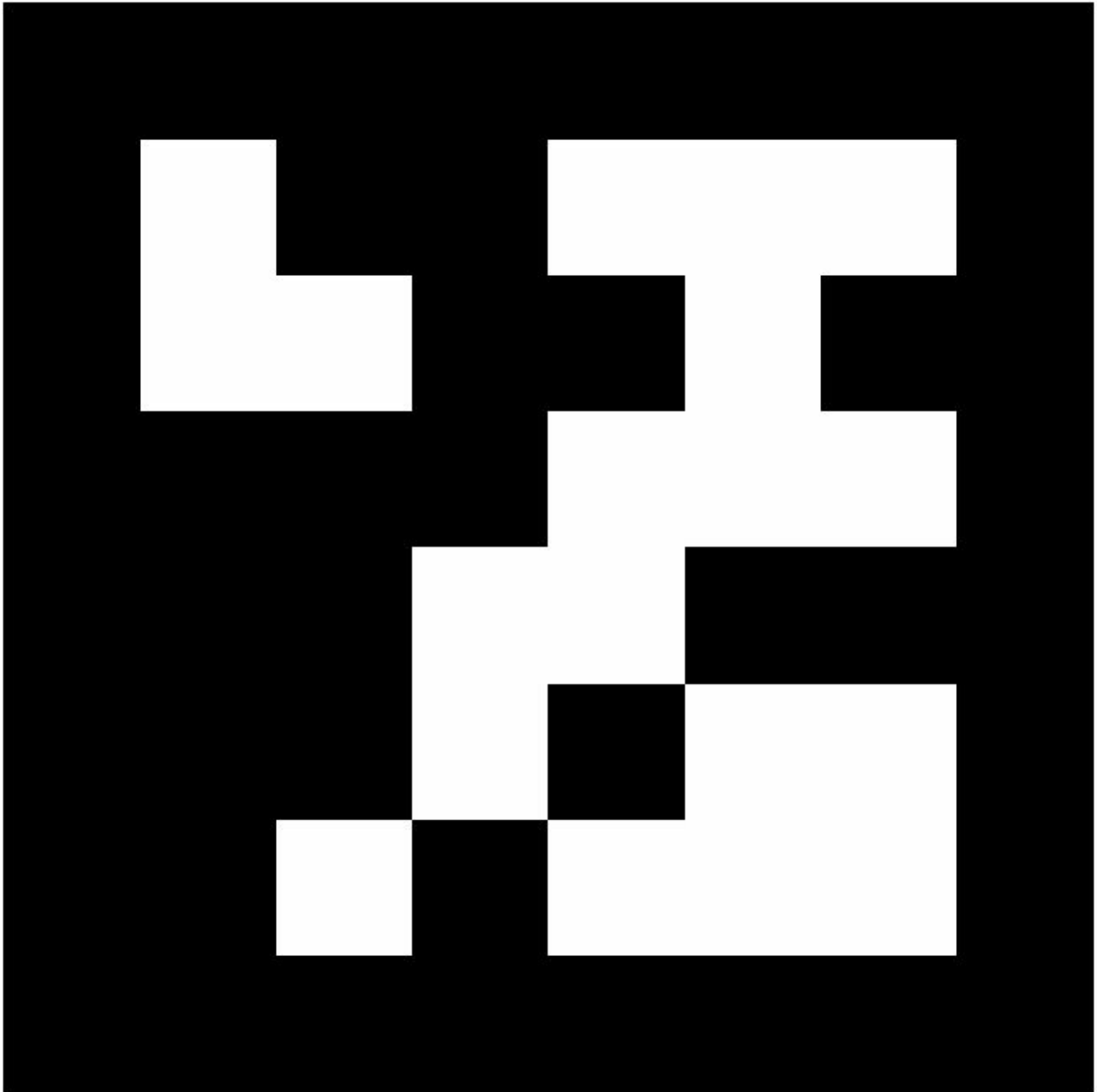
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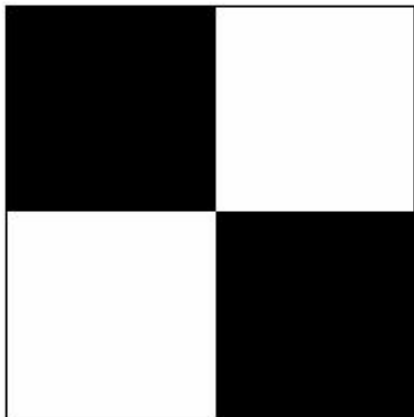
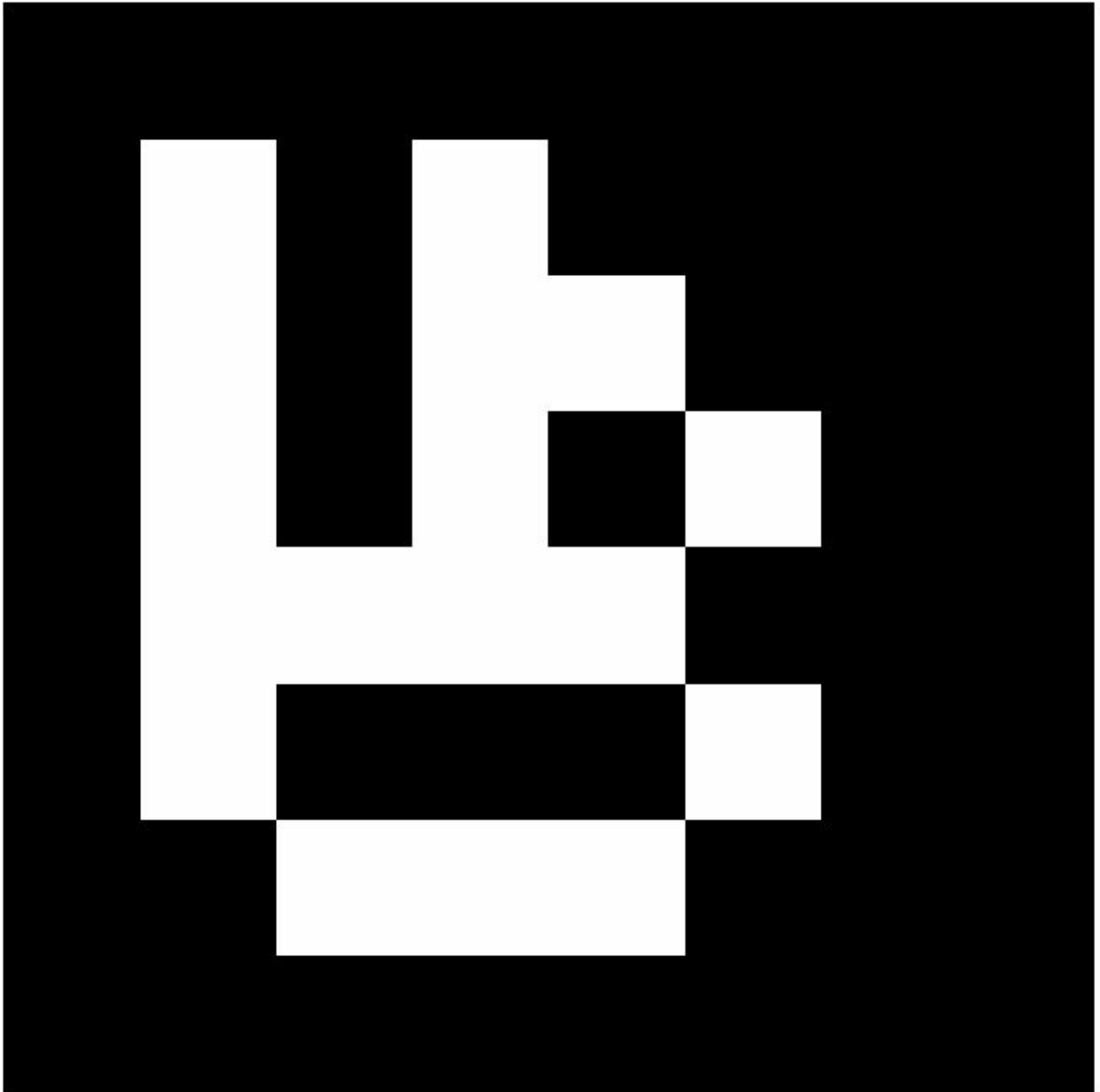
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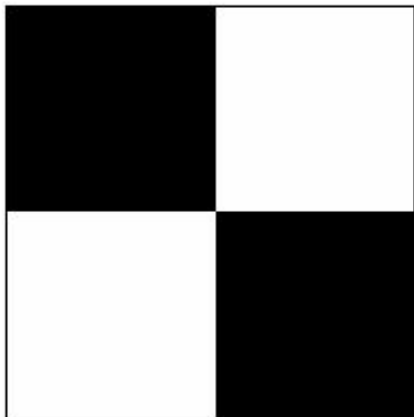
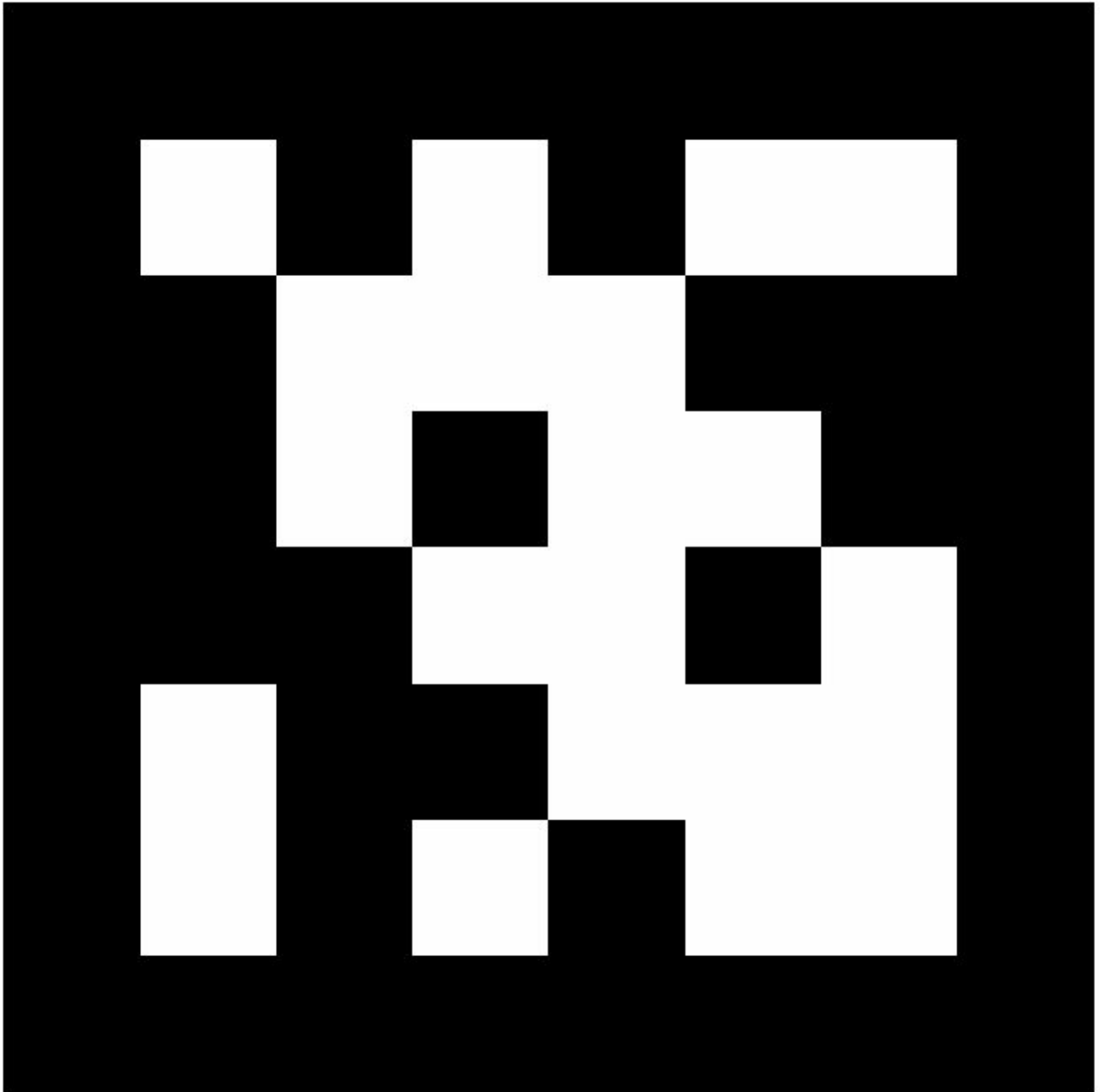
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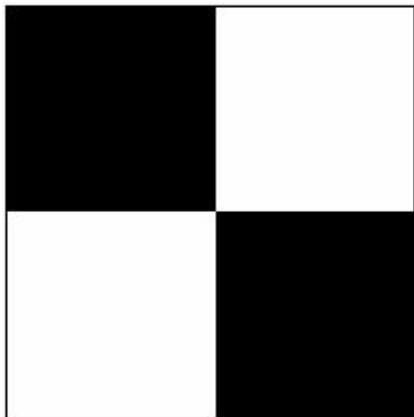
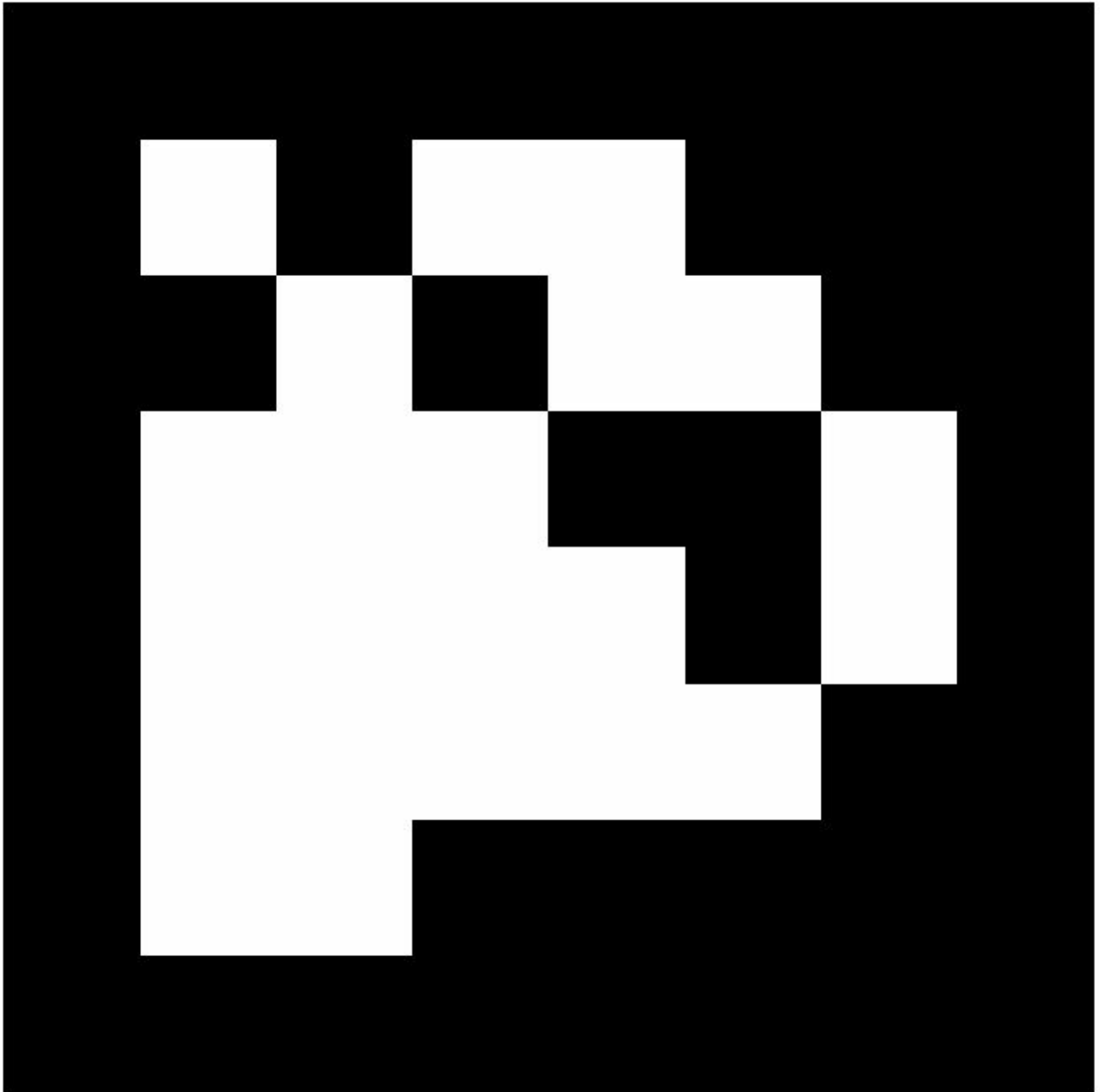
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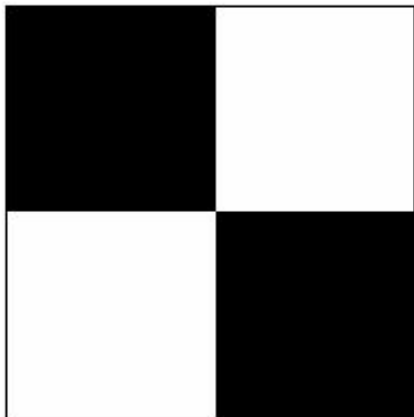
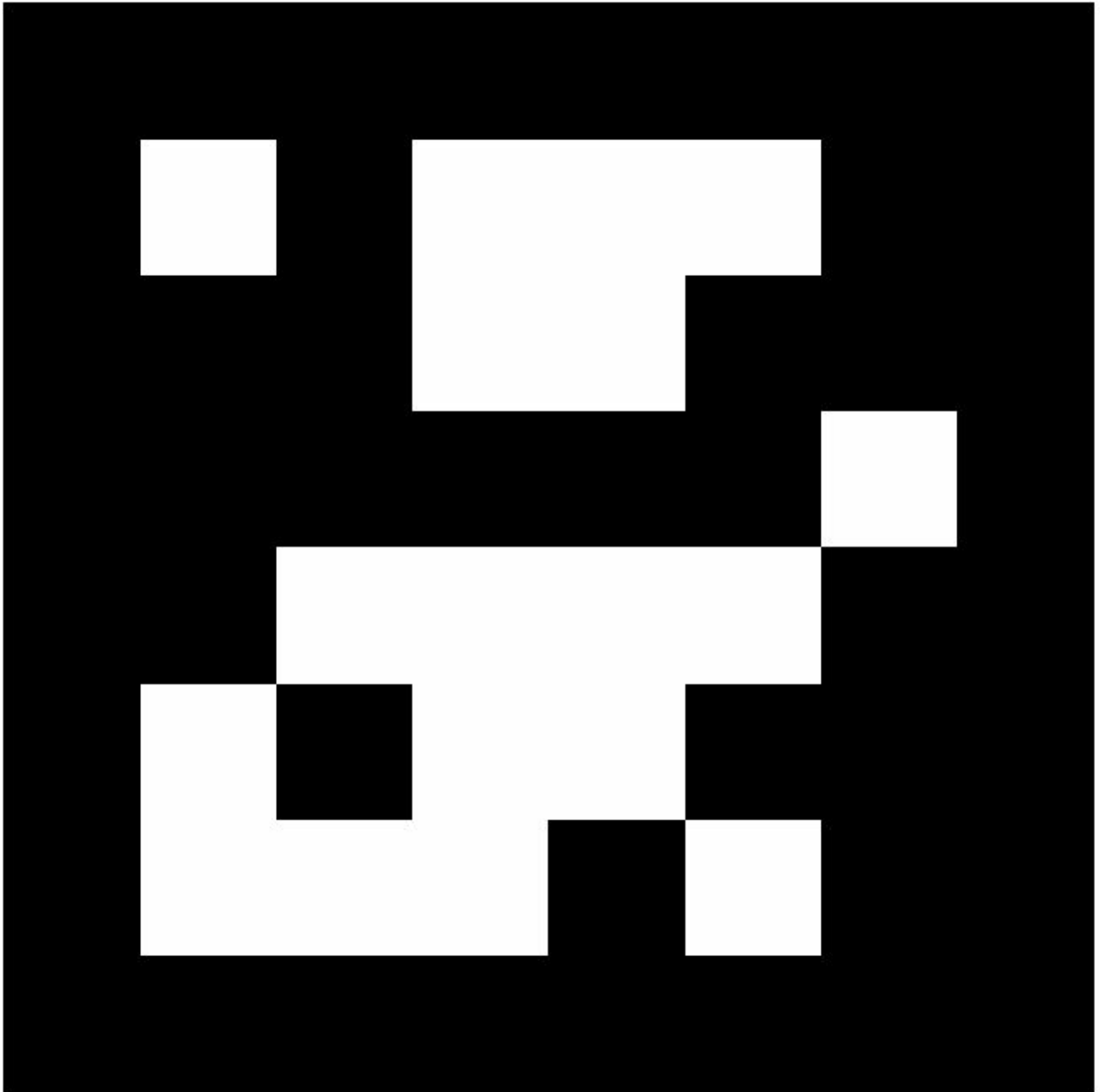
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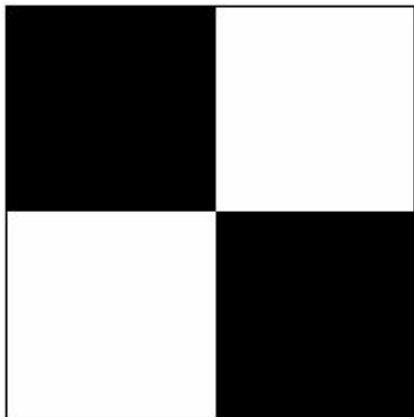
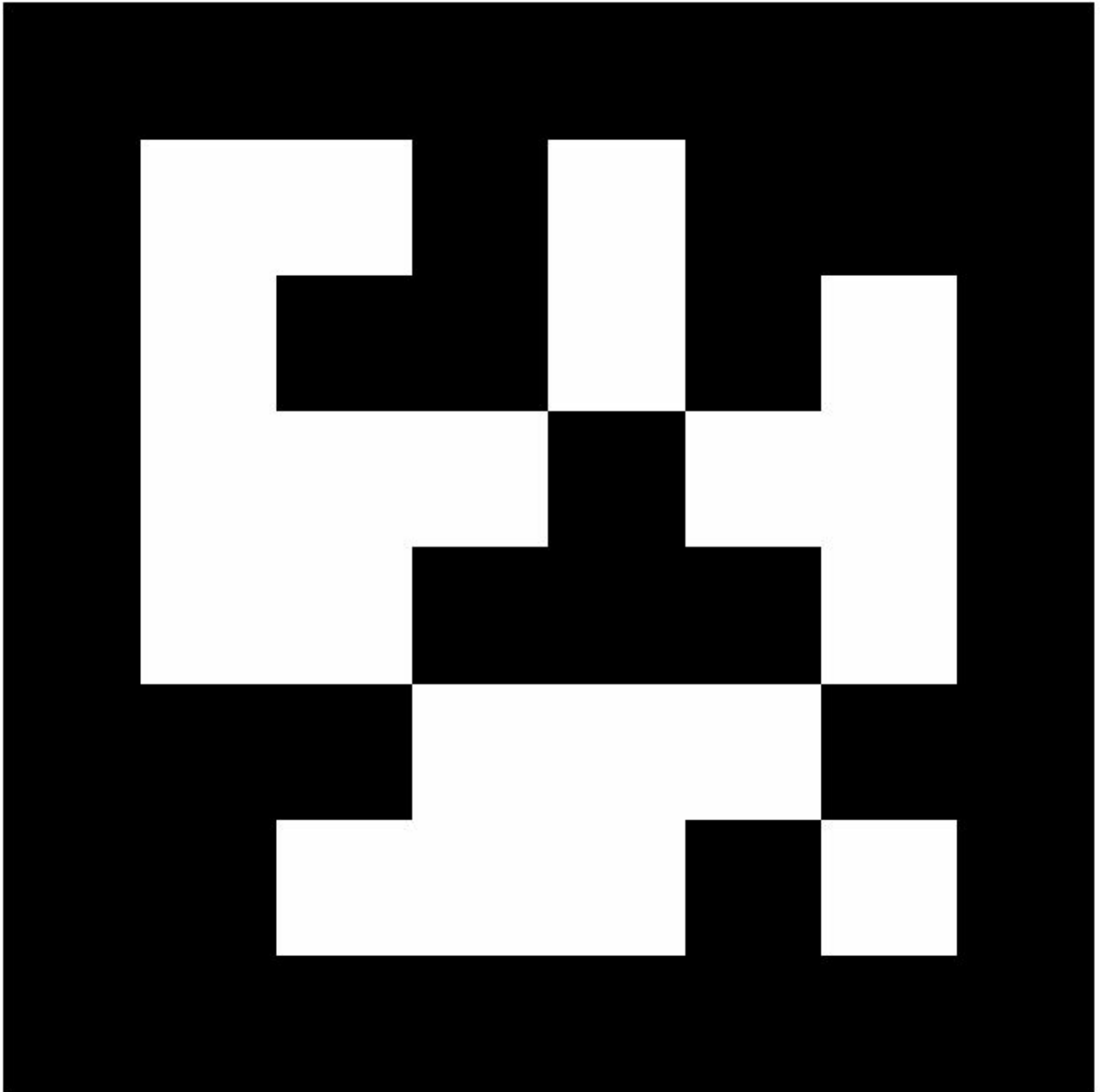
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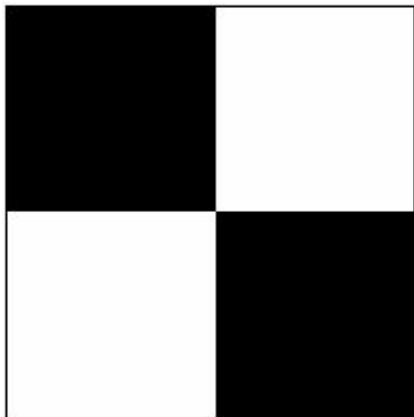
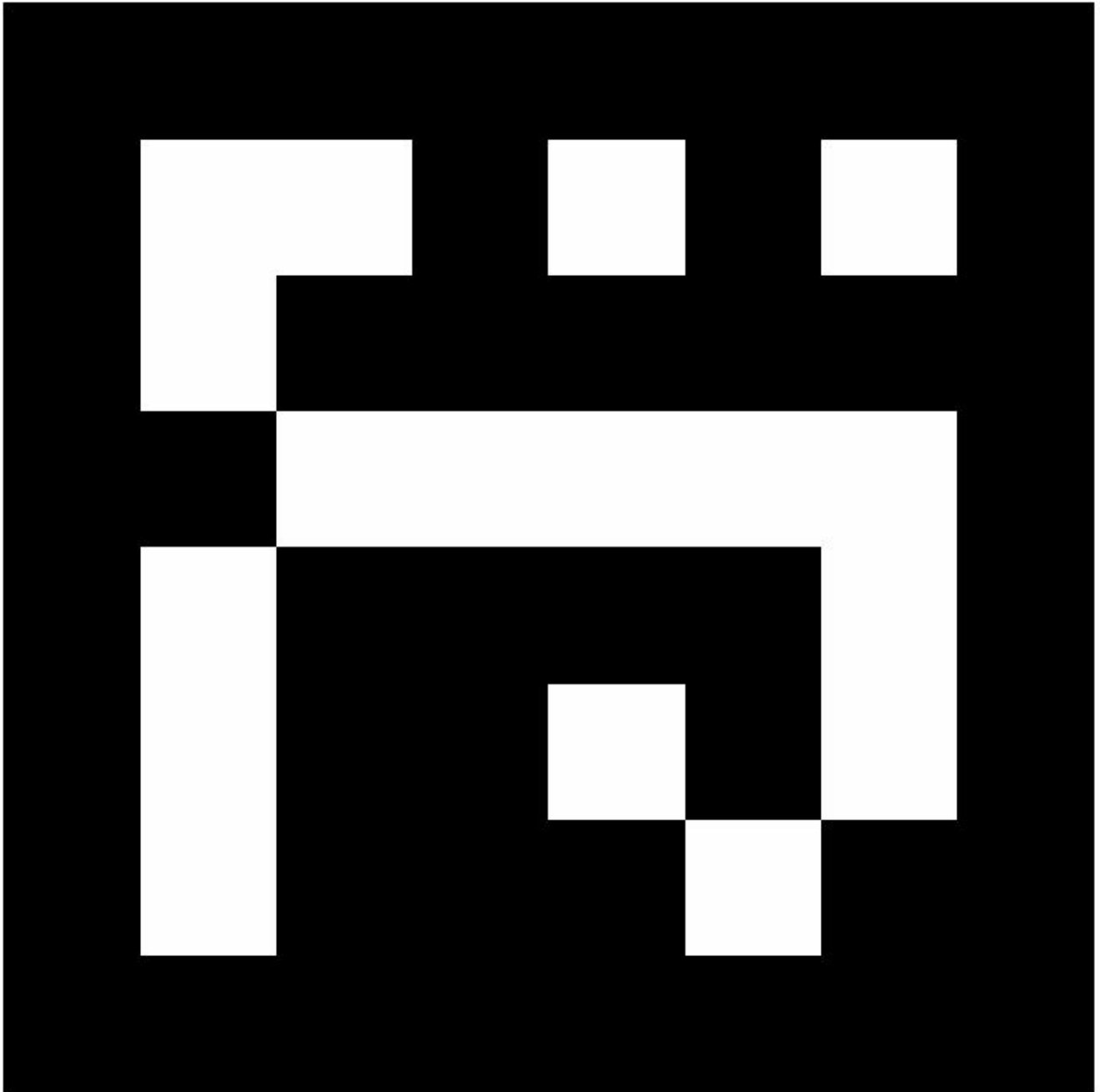
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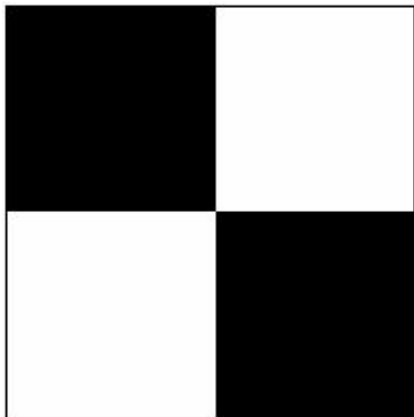
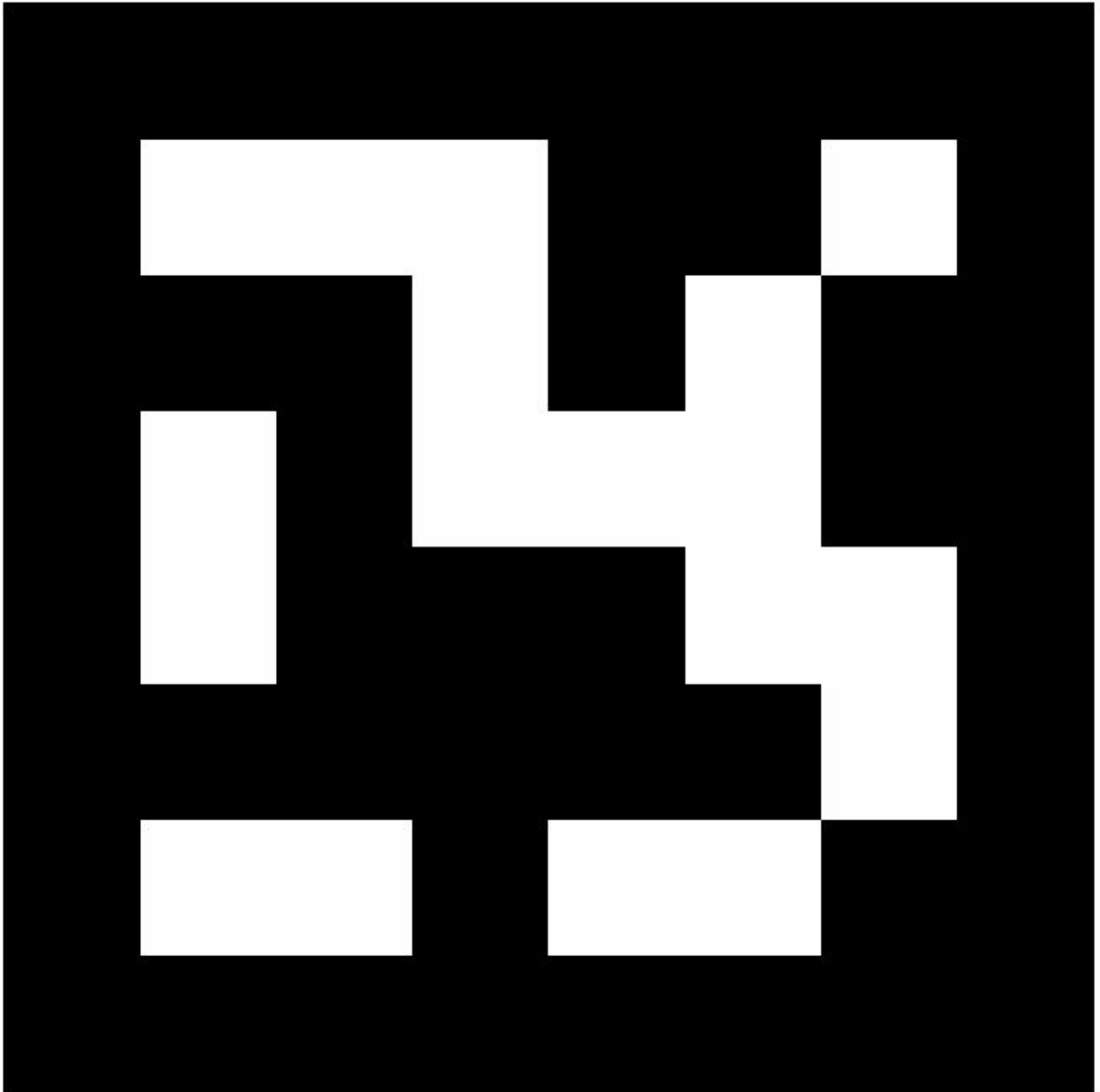
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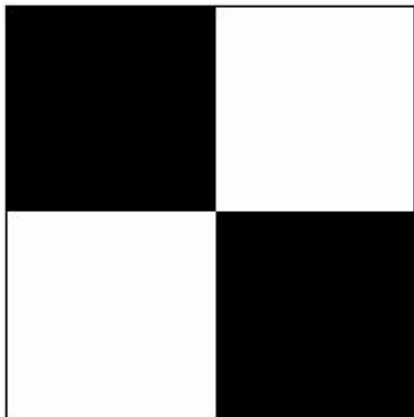
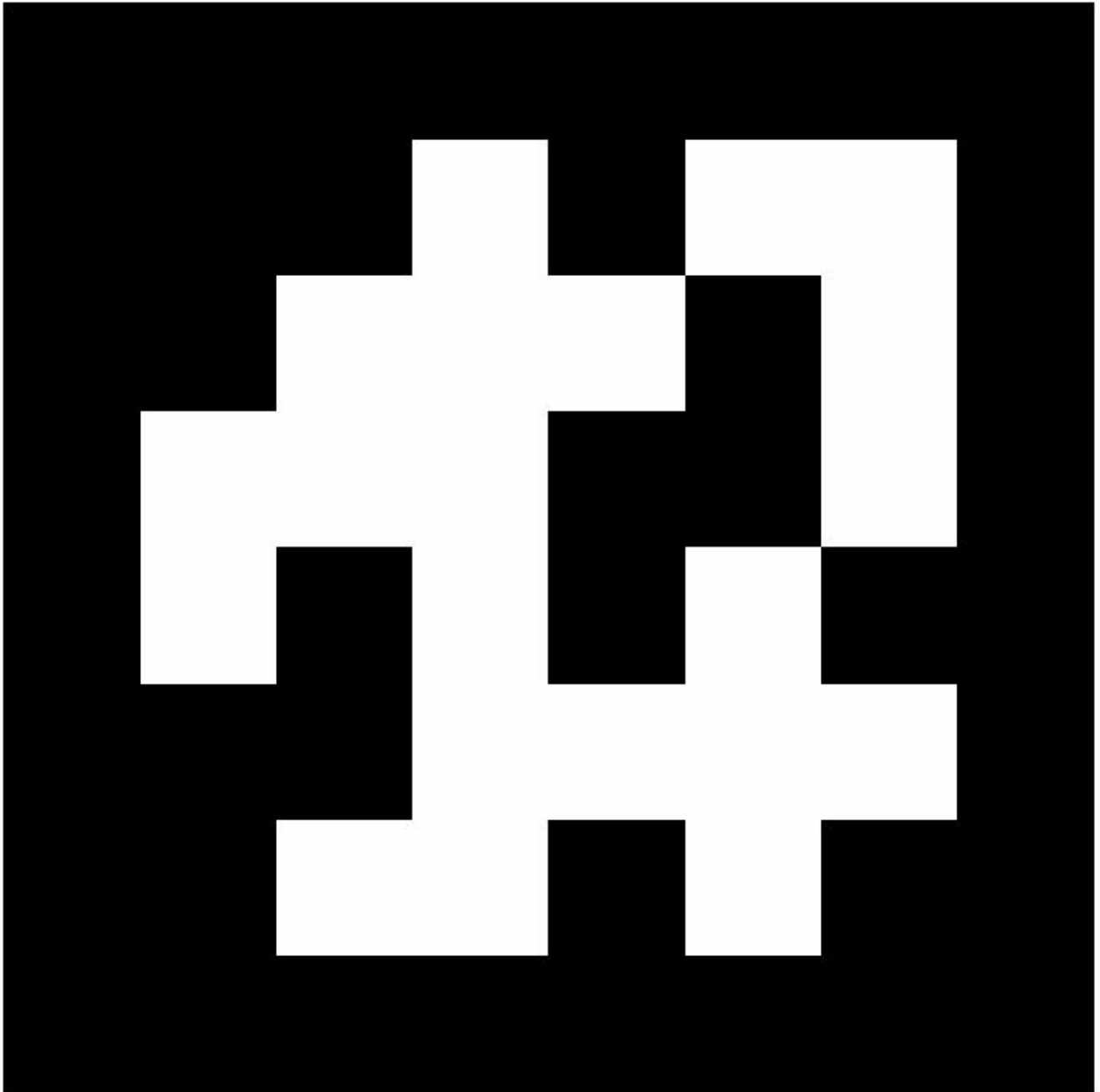
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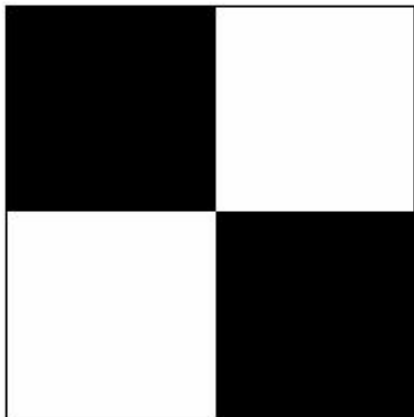
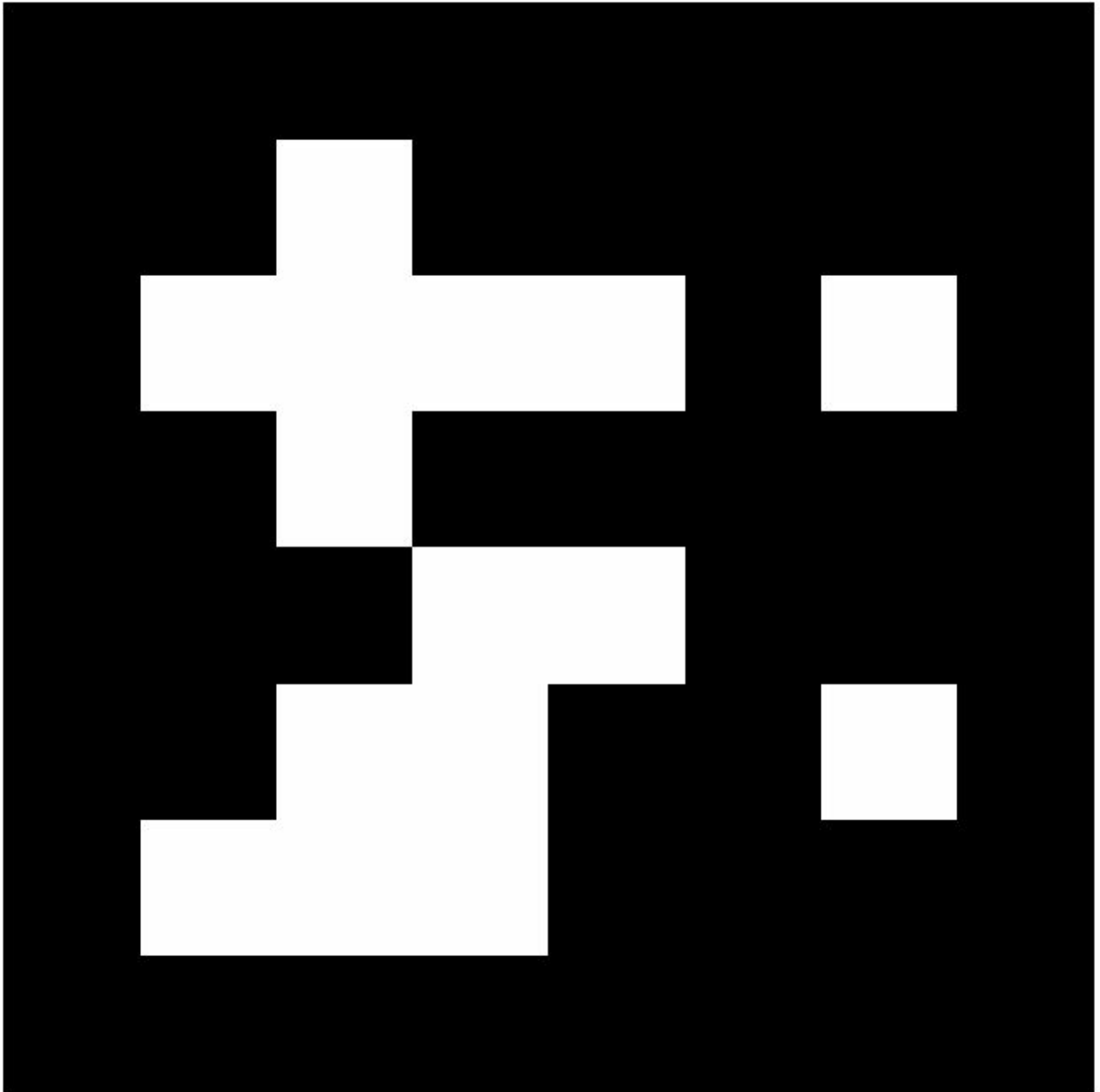
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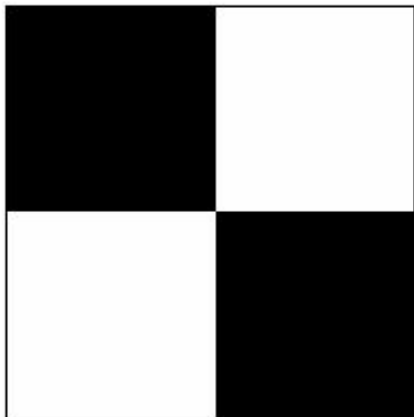
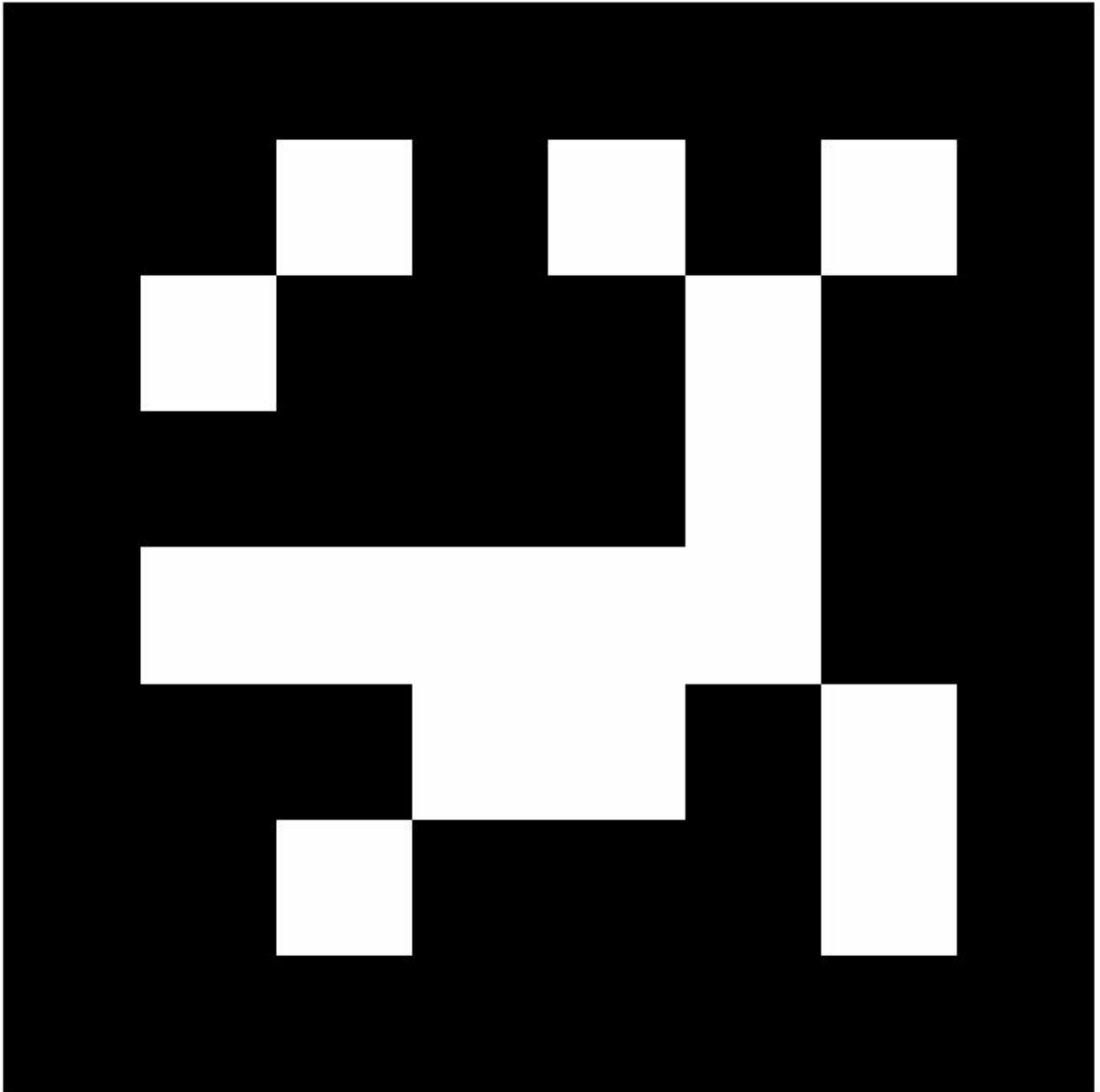
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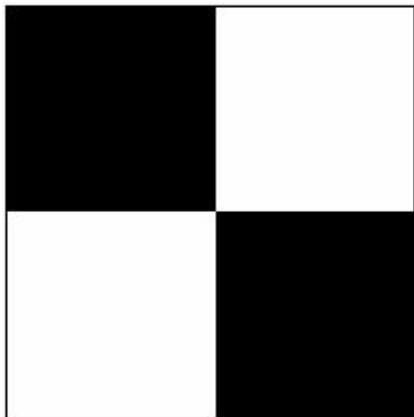
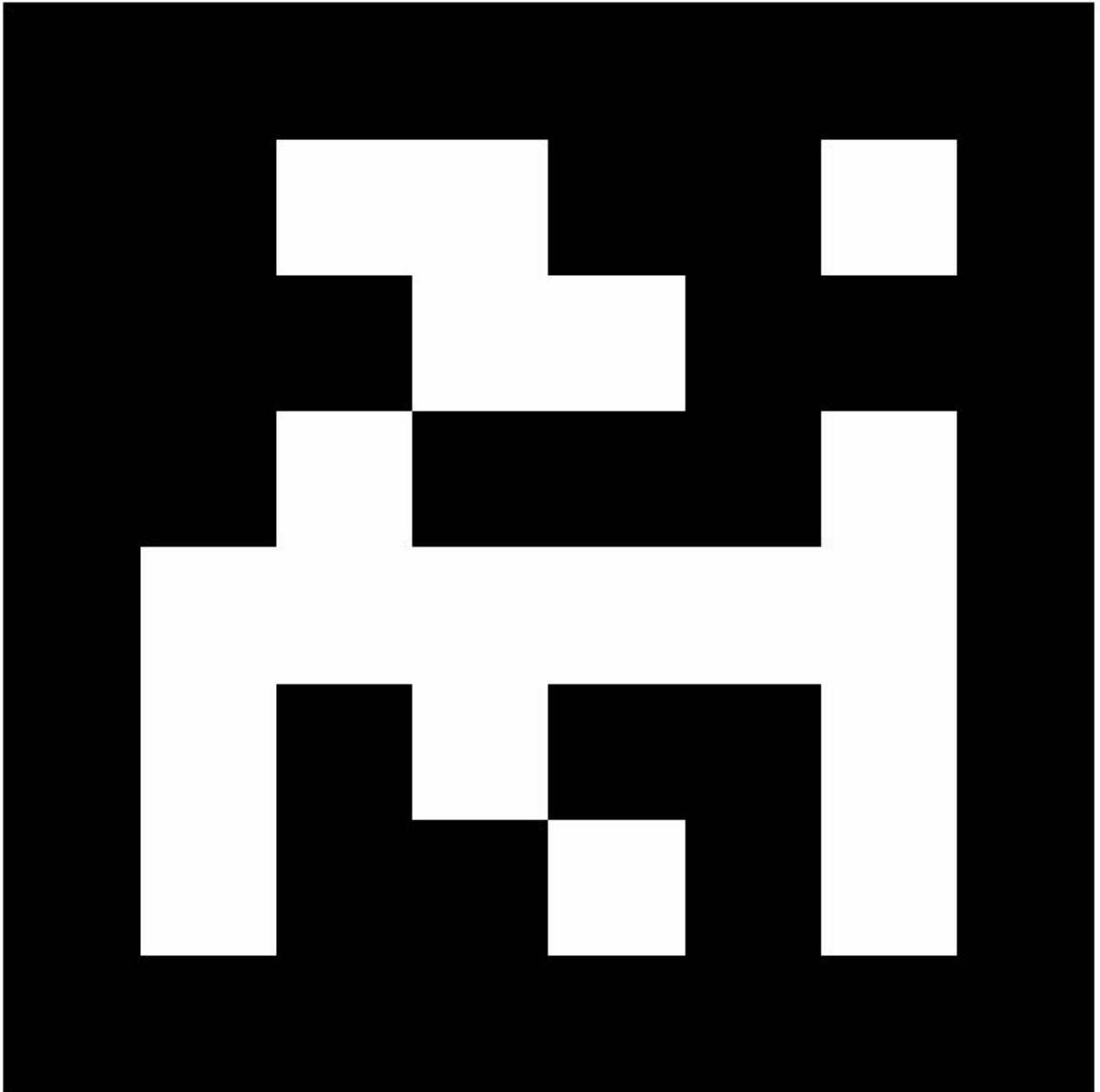
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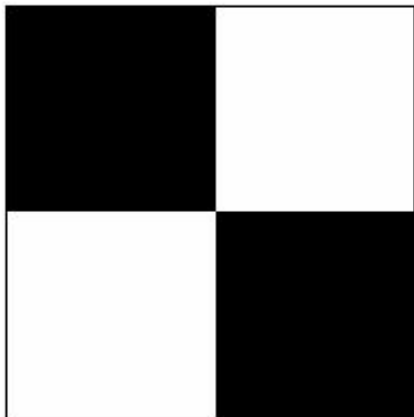
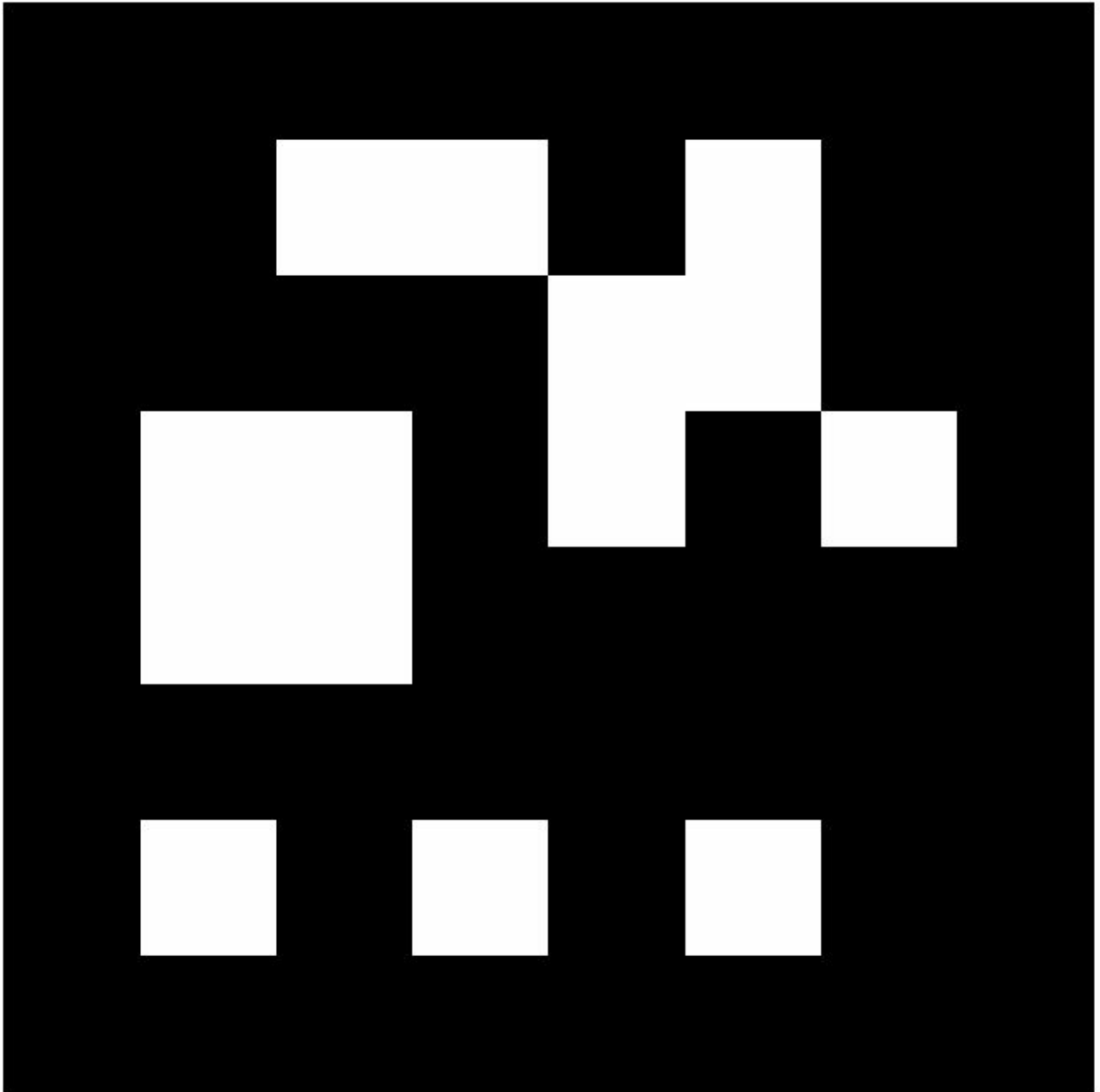
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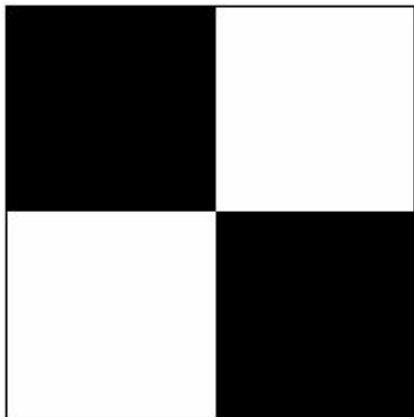
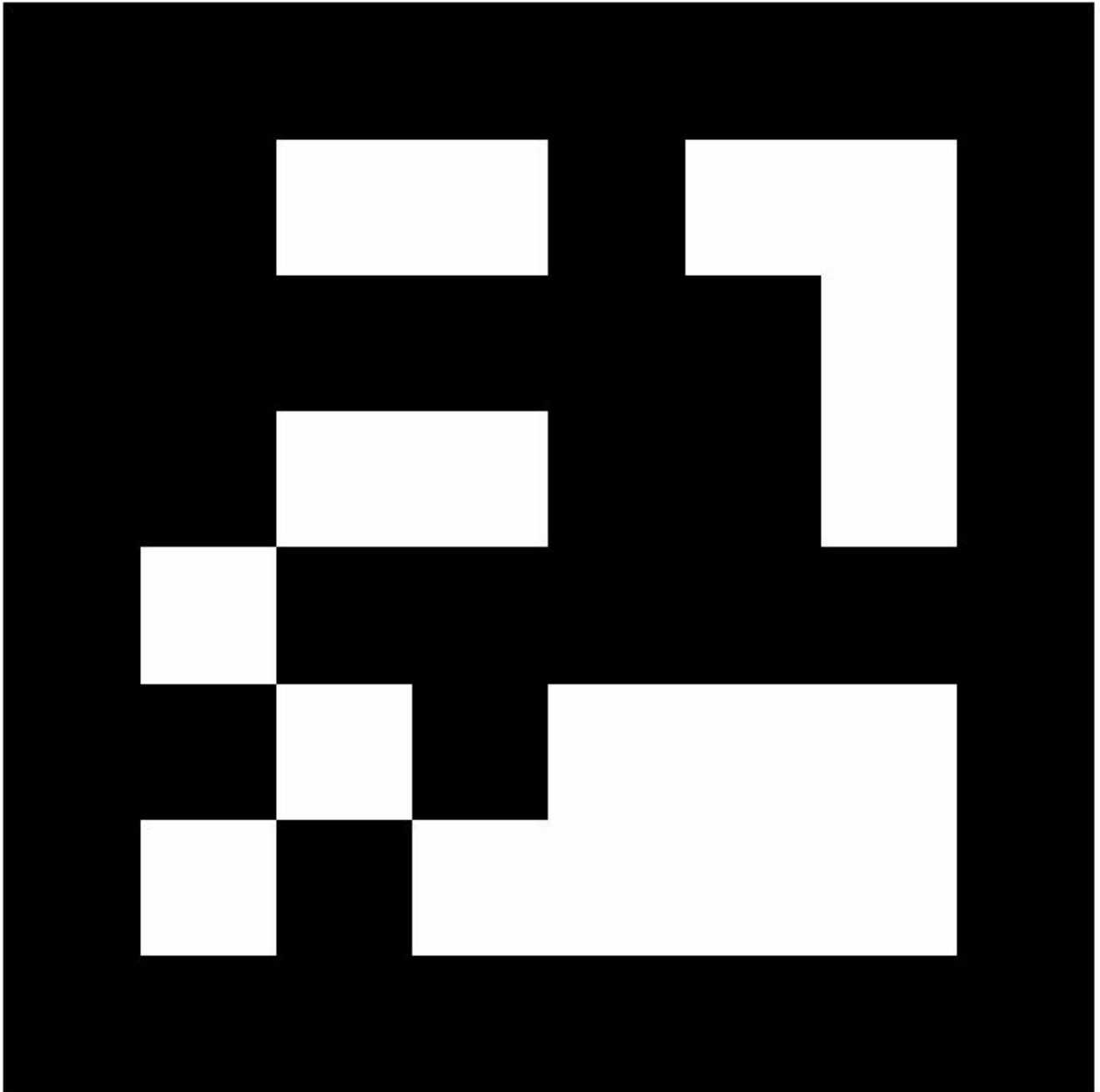
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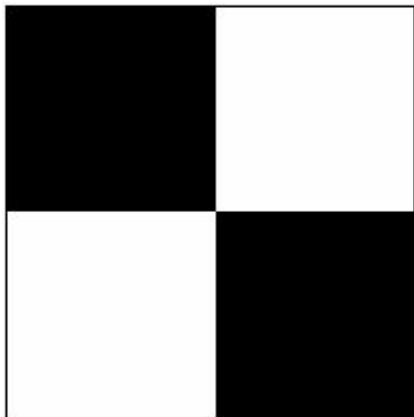
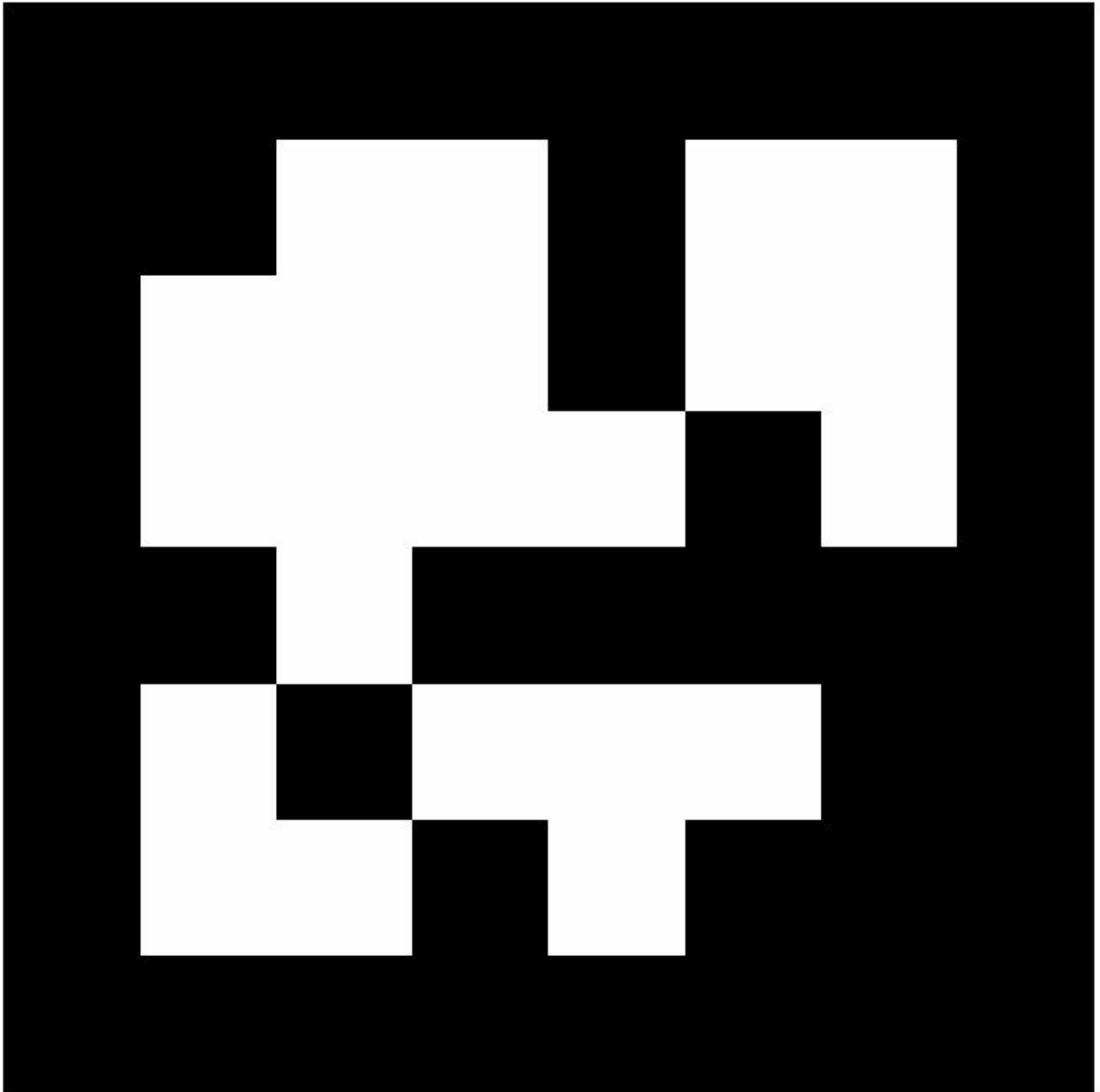
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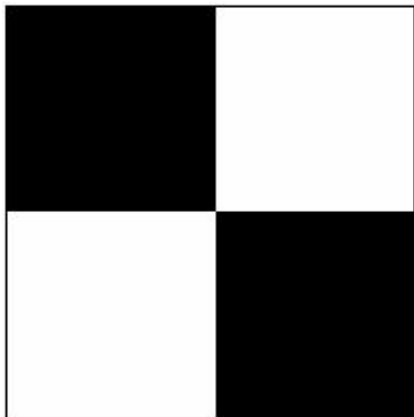
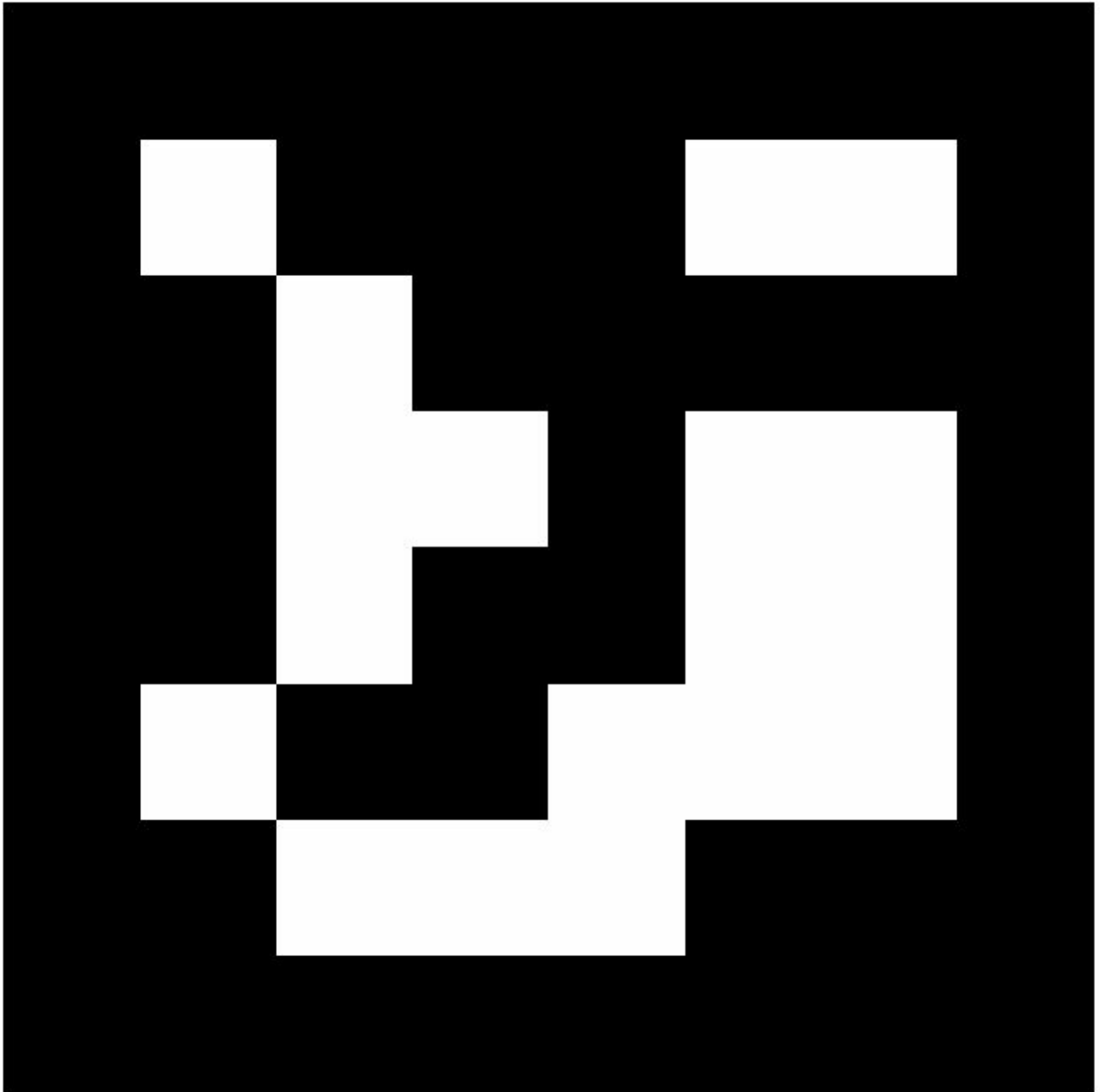
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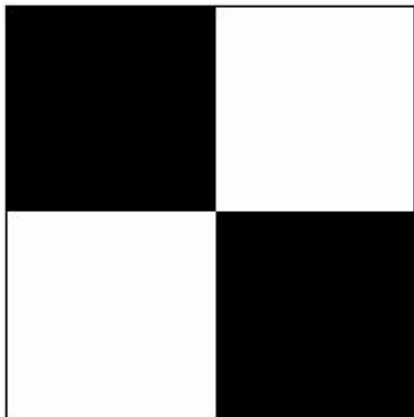
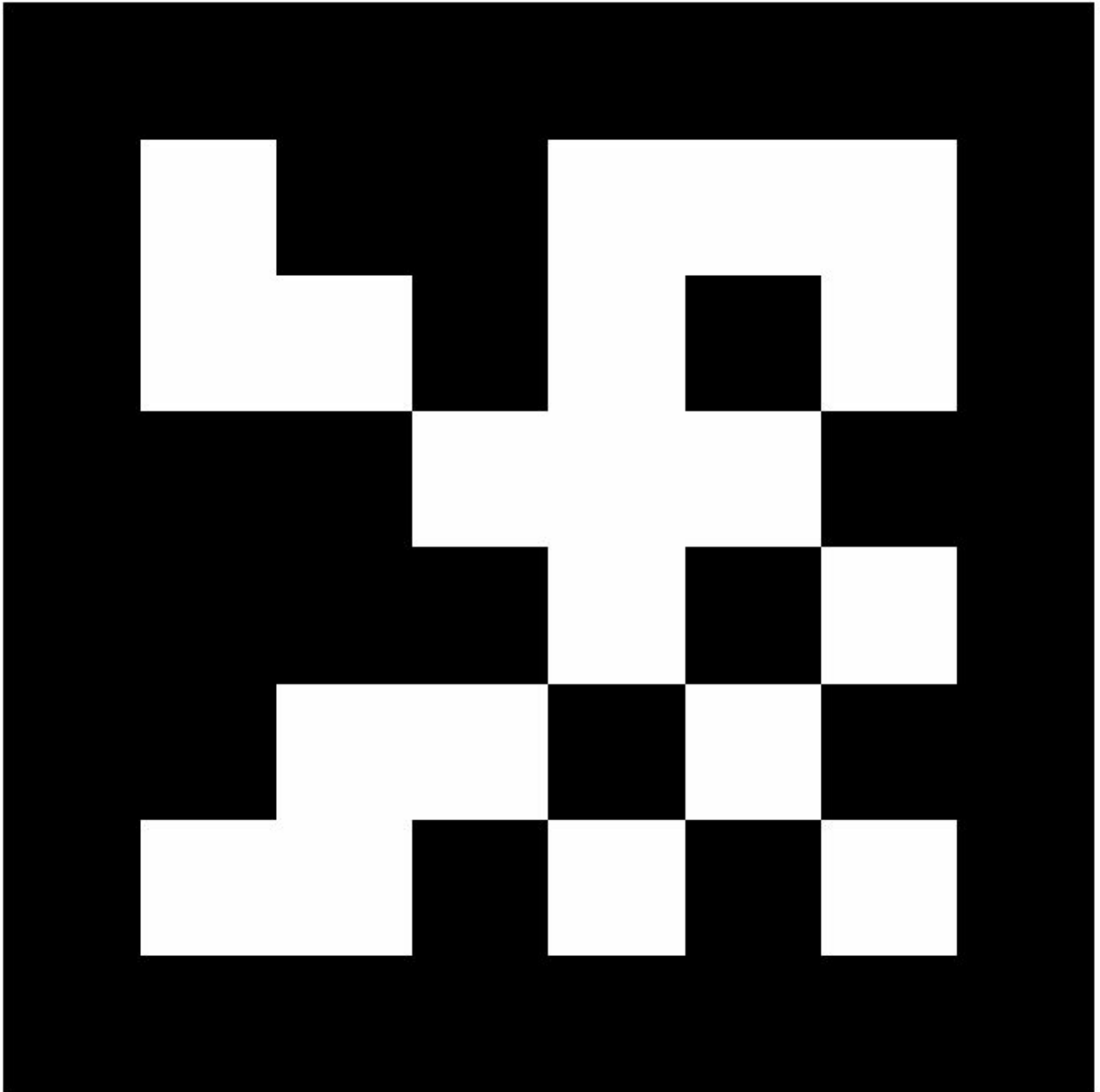
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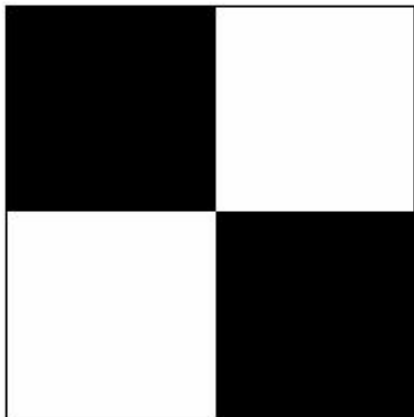
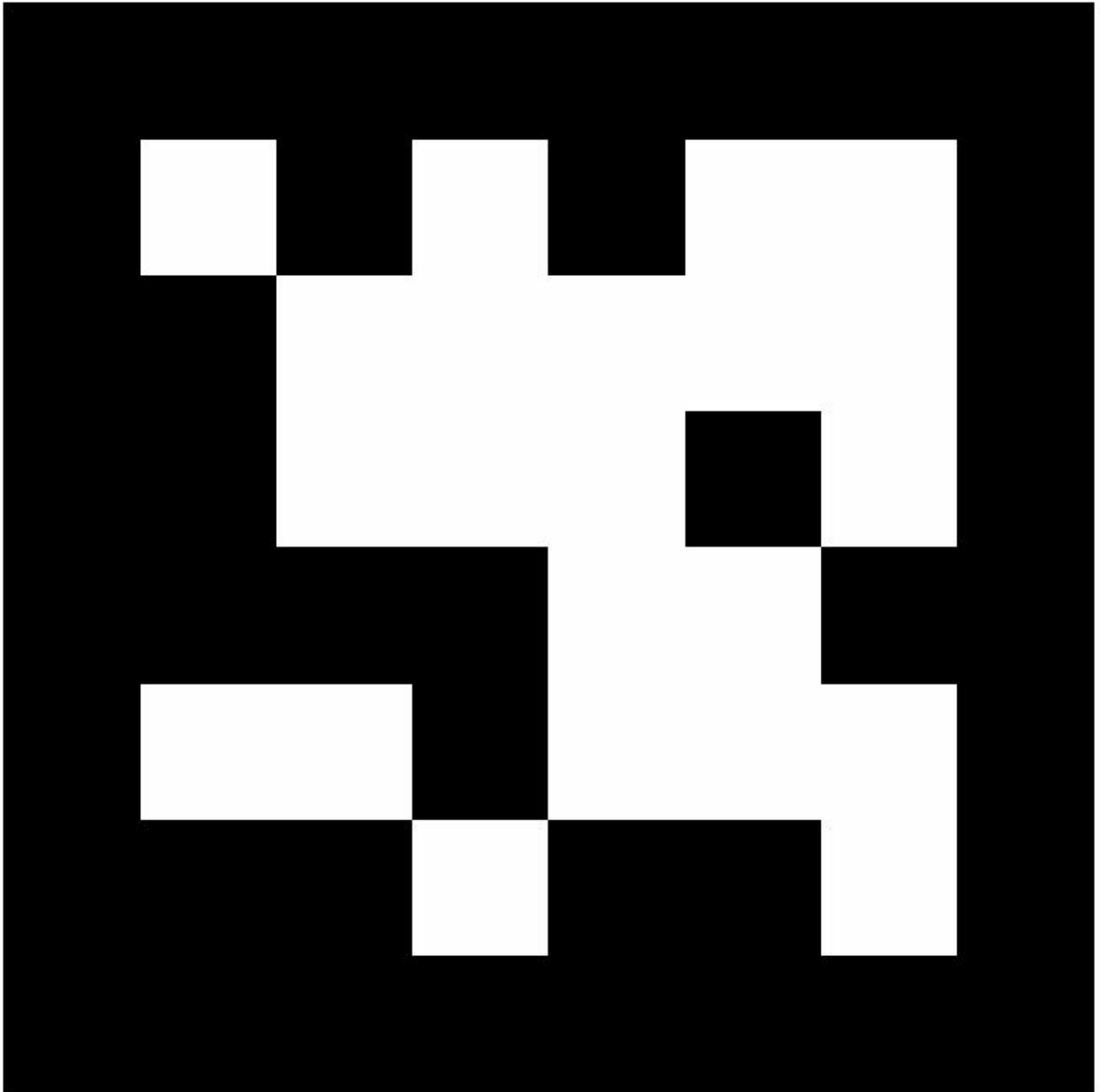
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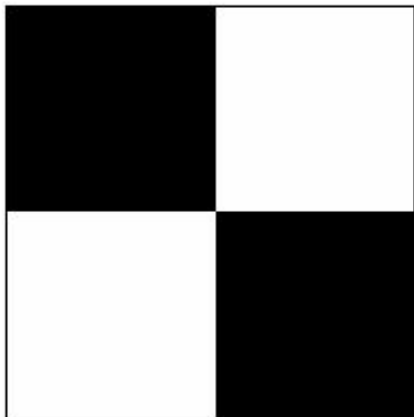
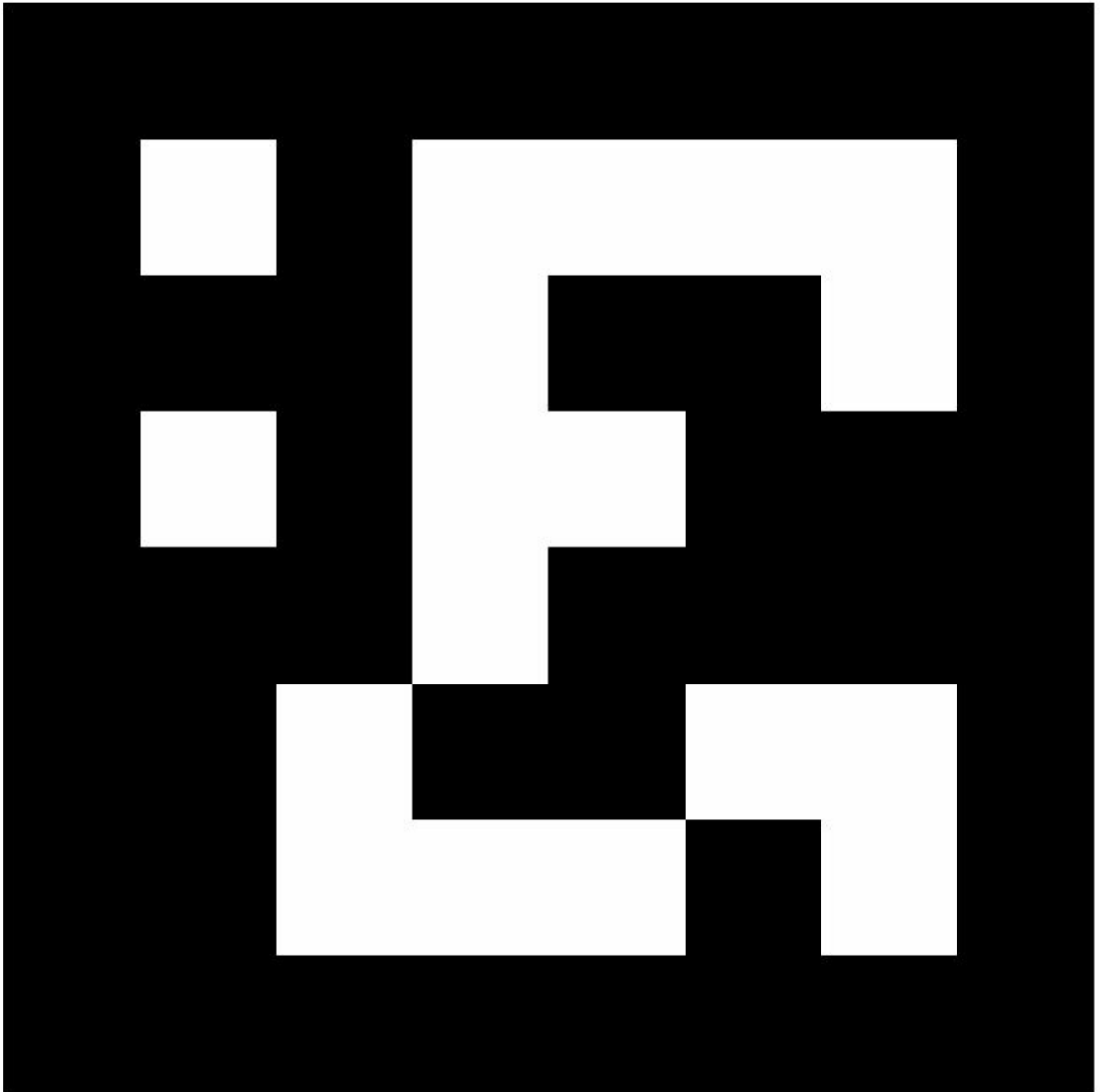
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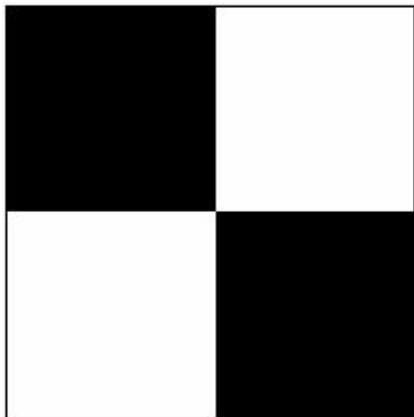
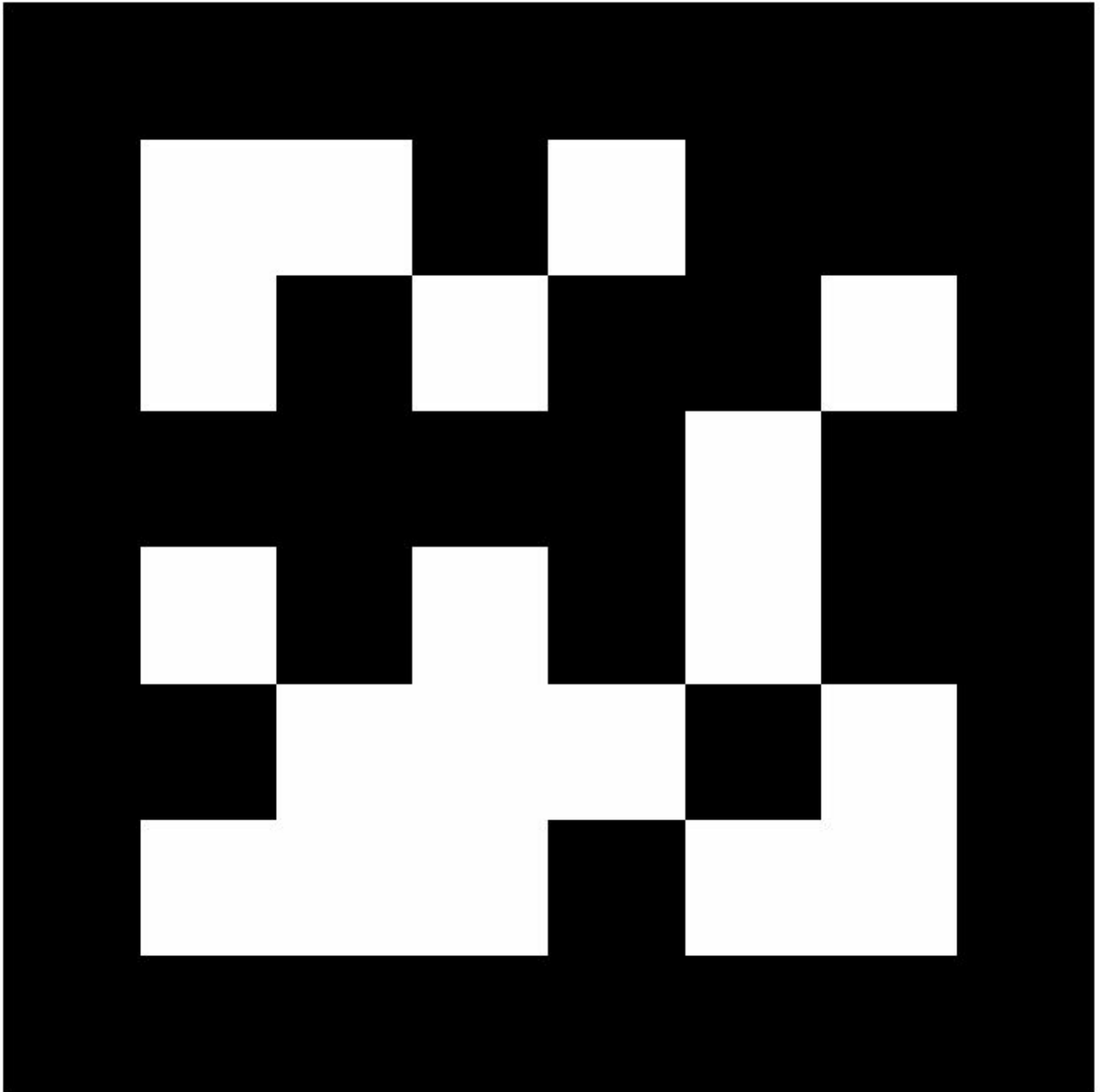
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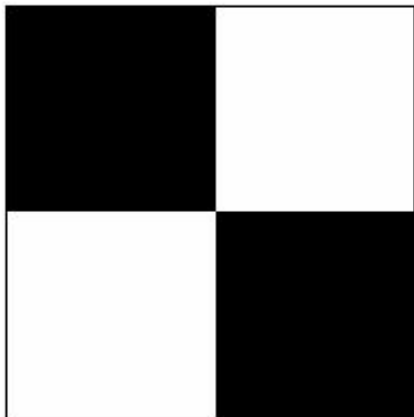
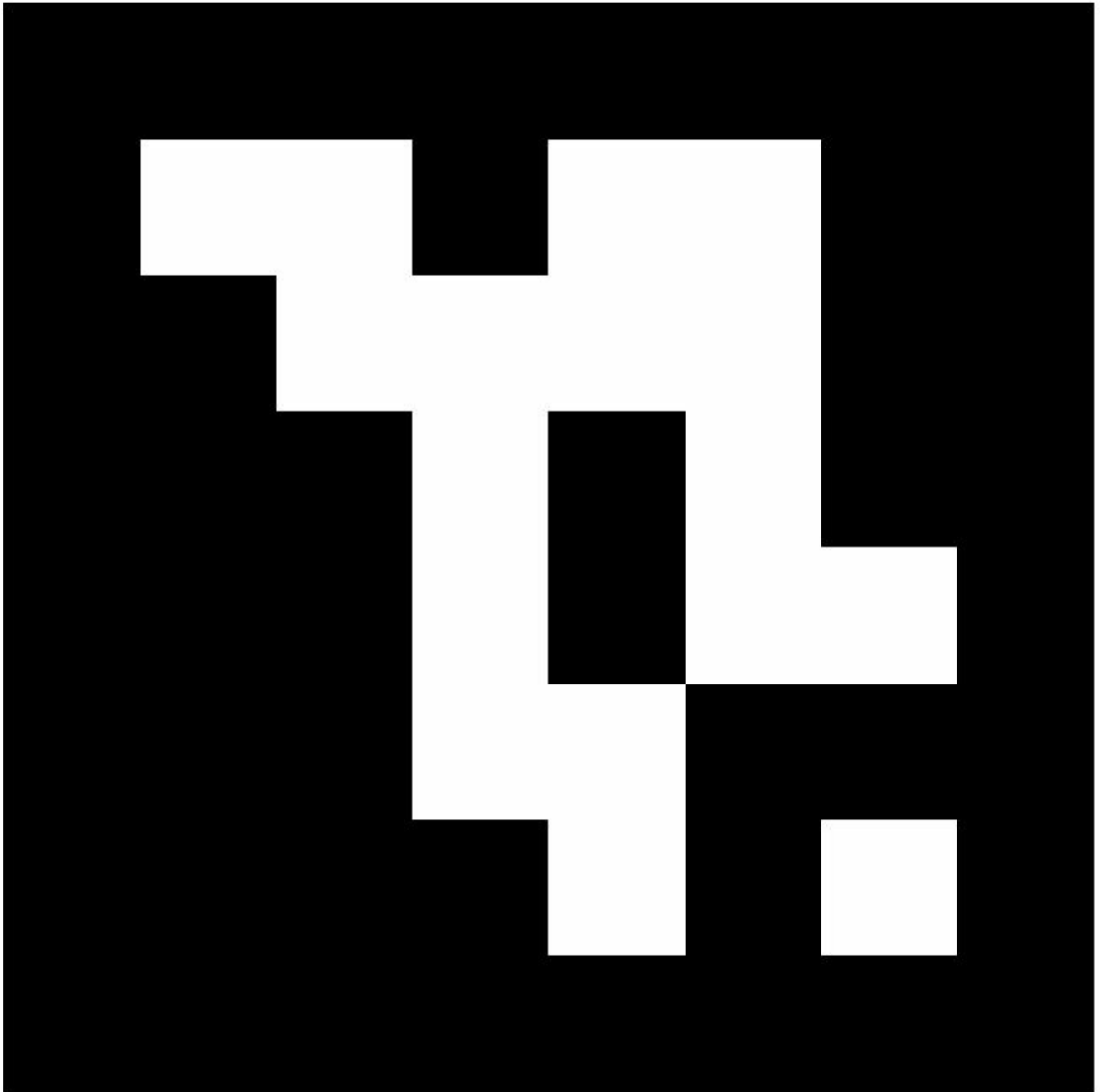
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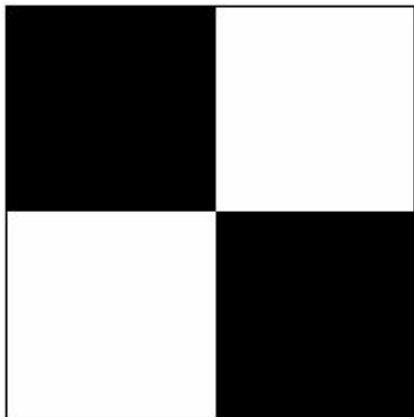
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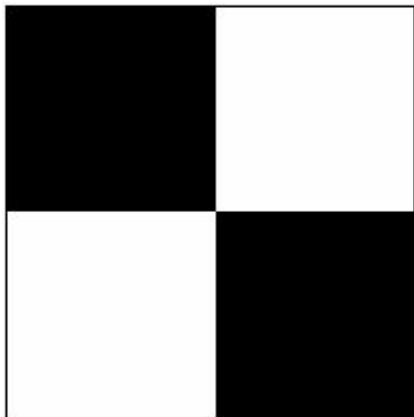
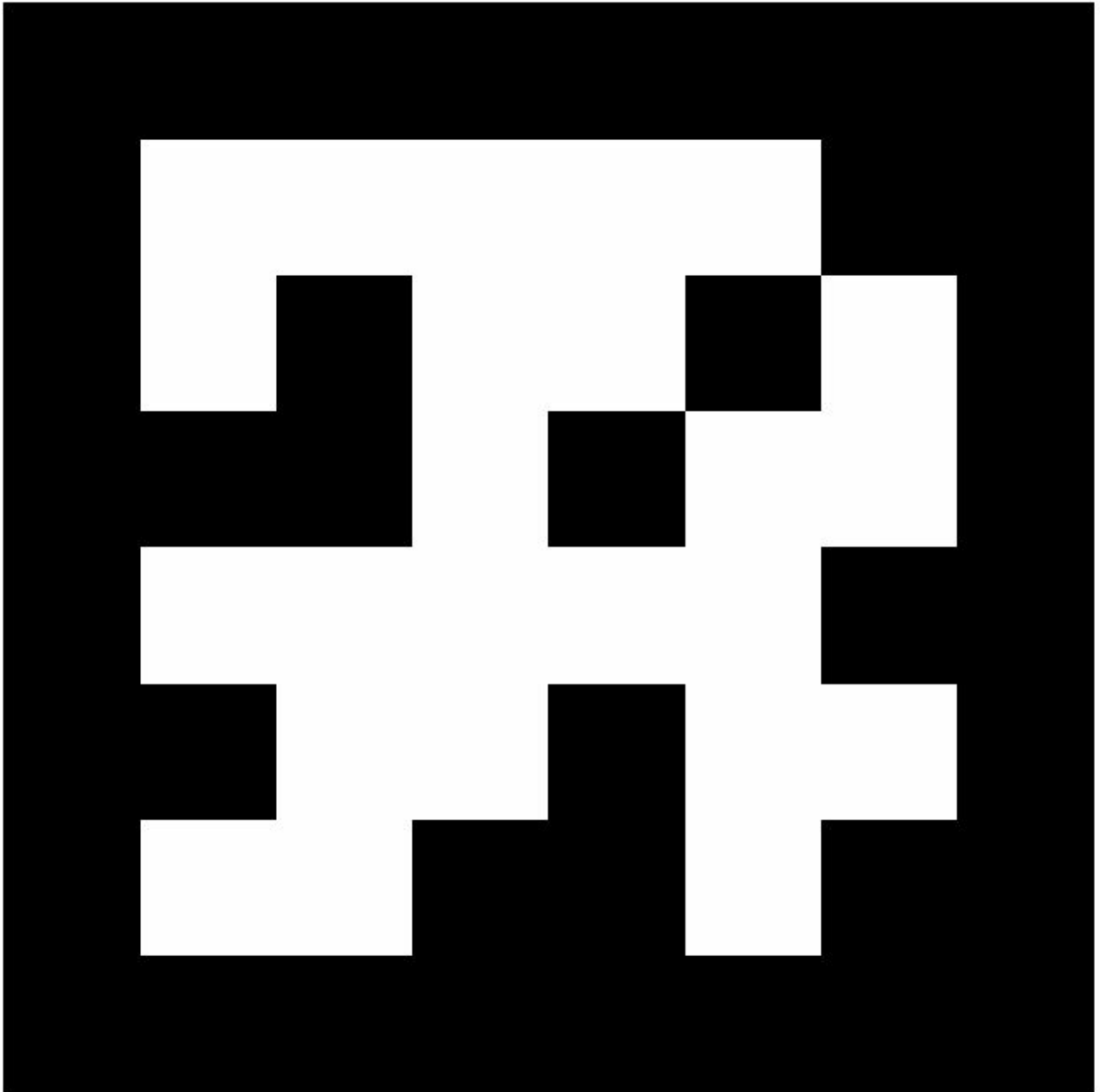
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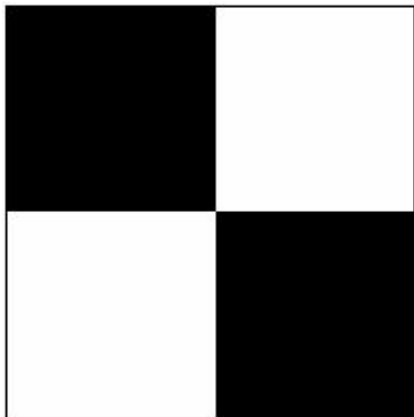
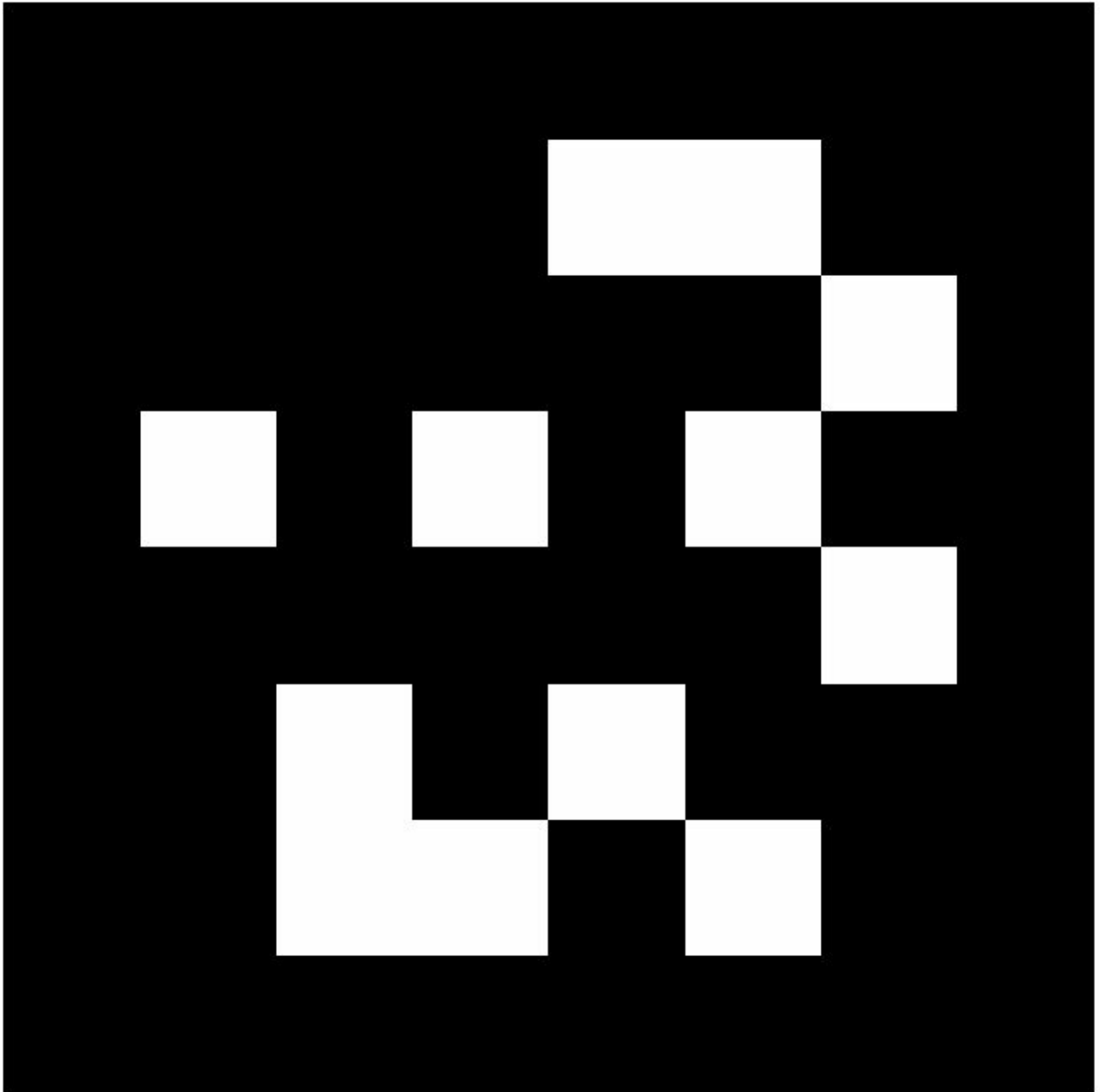
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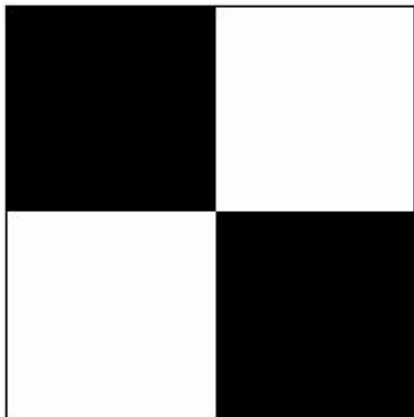
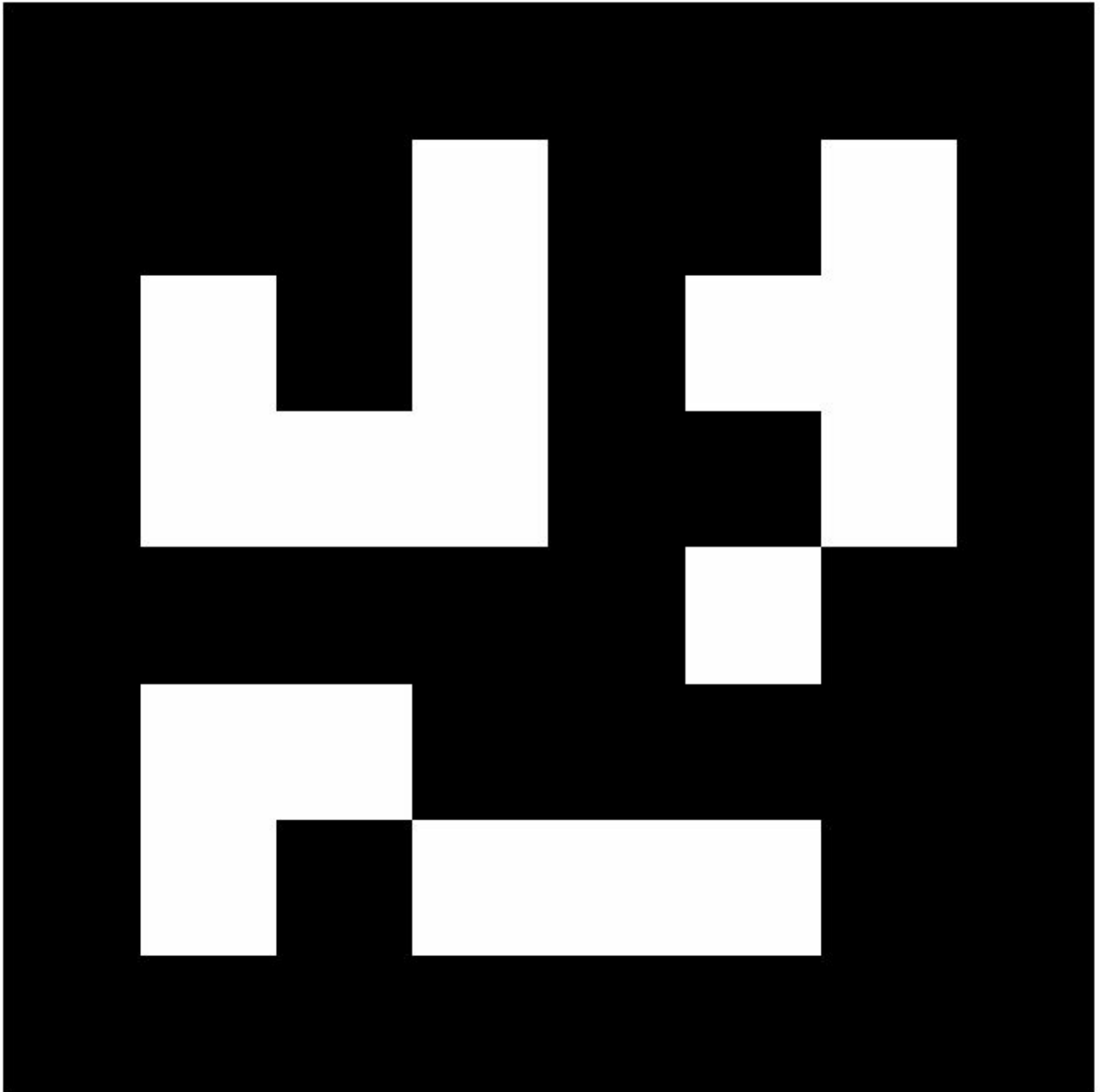
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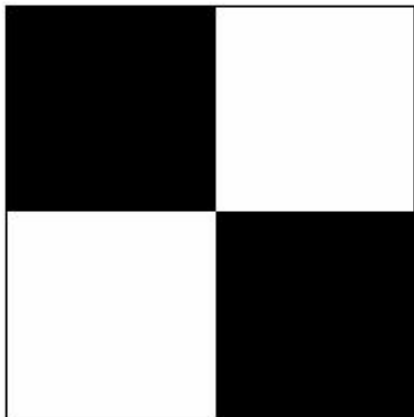
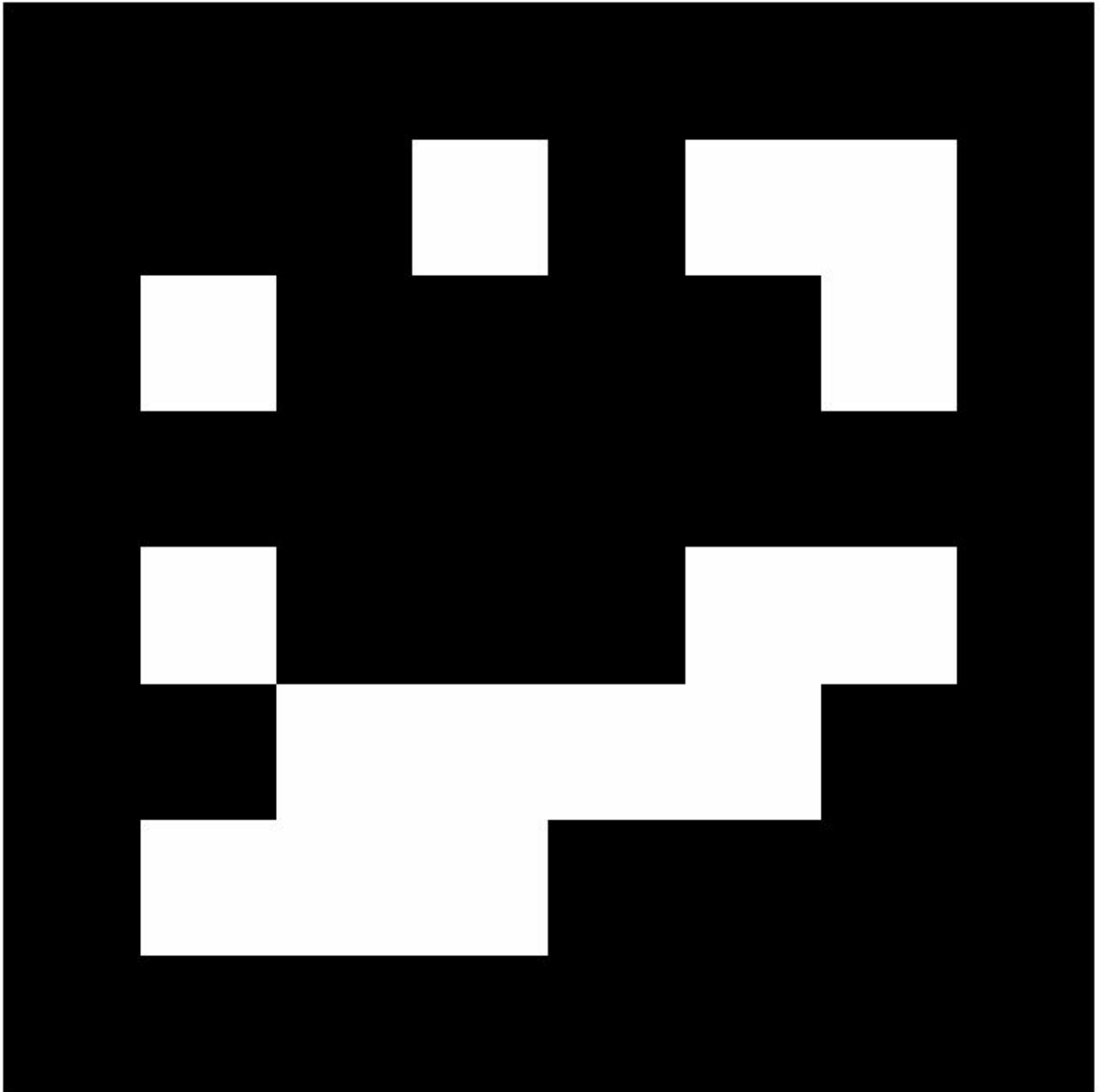
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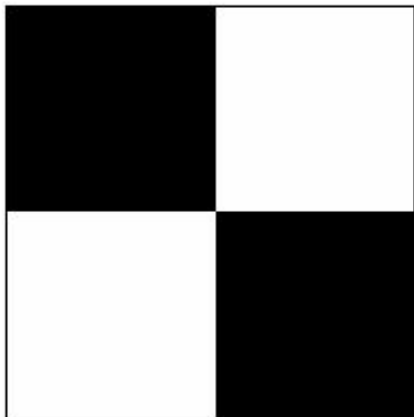
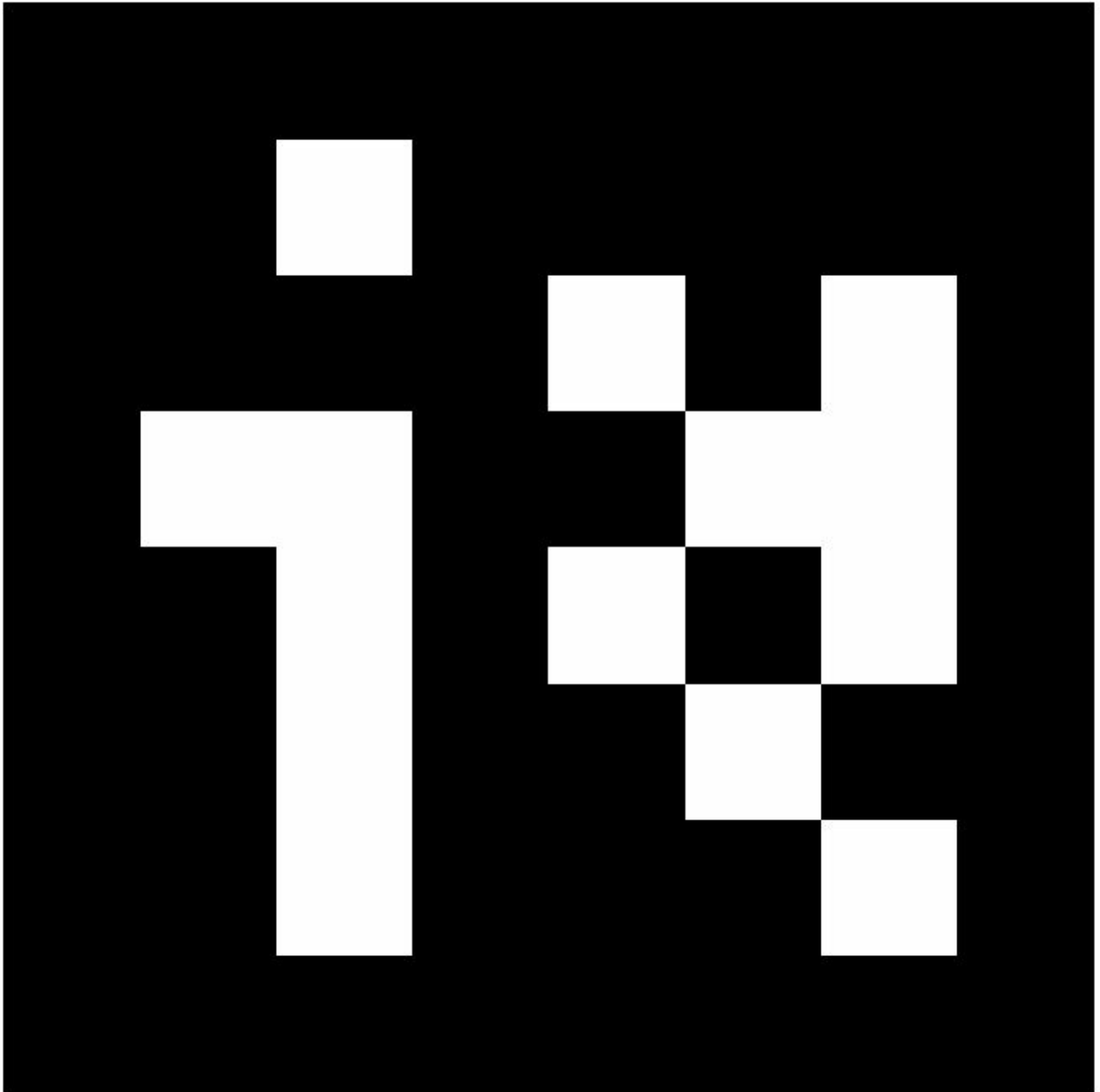
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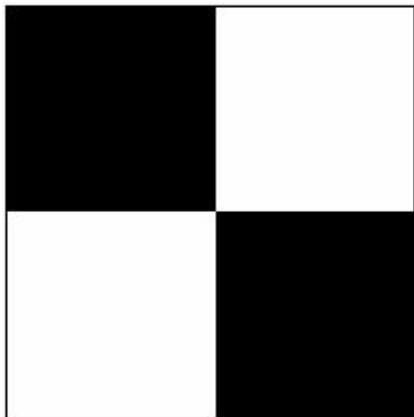
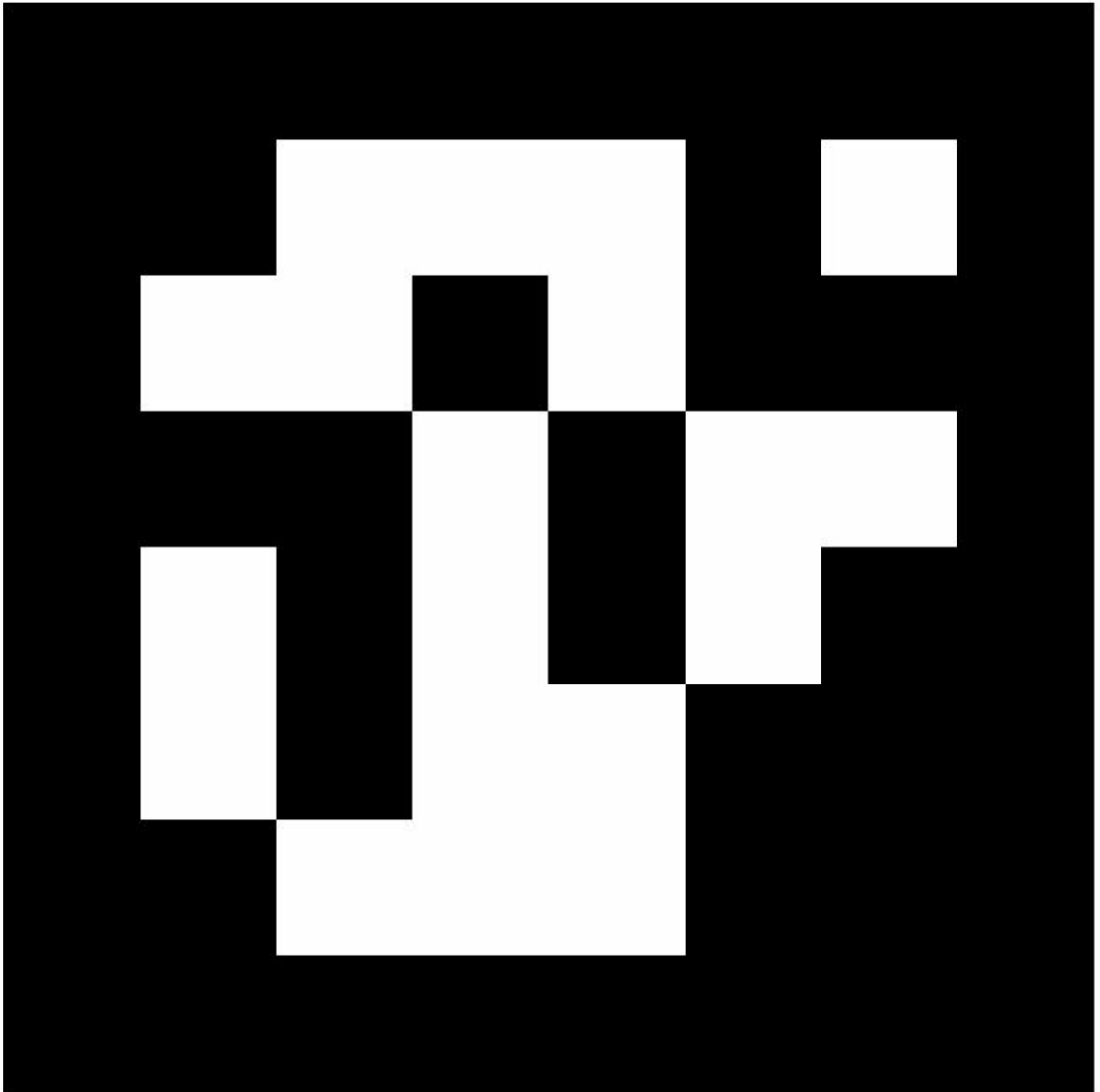
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