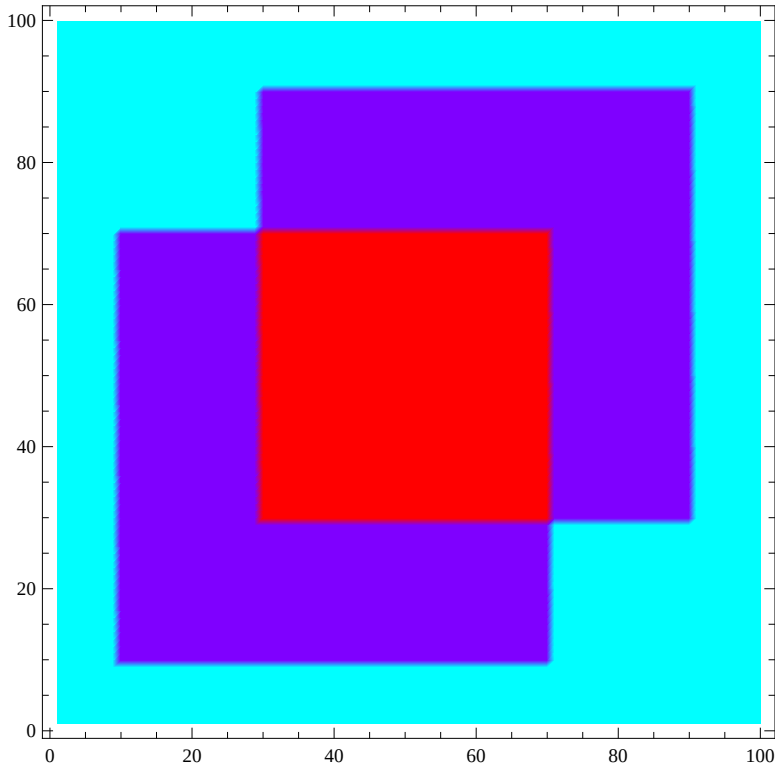
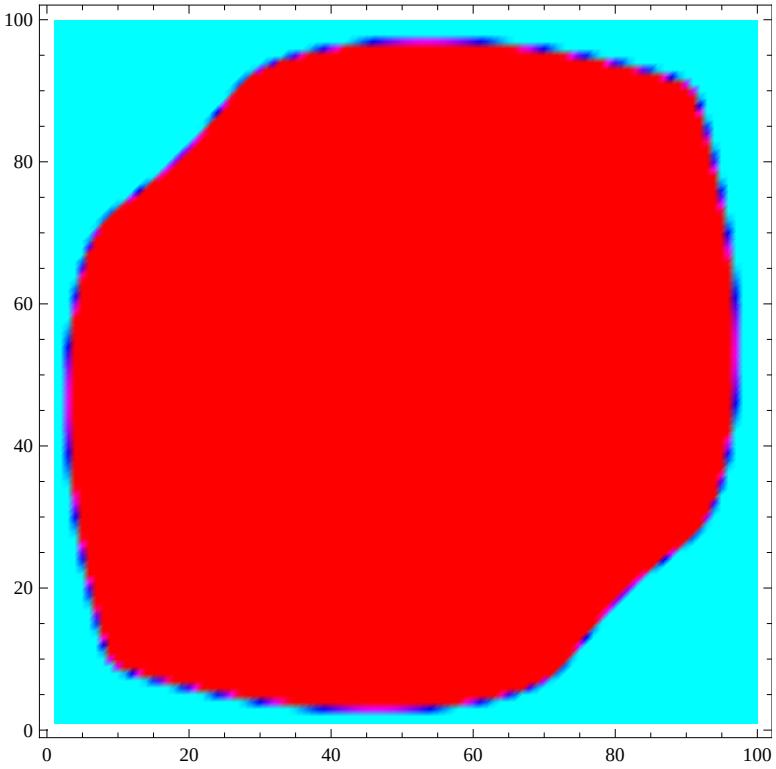
```
Draw[board_] :=
  ListDensityPlot[board, PlotRange → Full, ColorFunction → (Hue[# / 2 + 0.5] &)];
Step[board_] := (
   flow = Map[Max[0, (# - 1) / 4] &, board, {2}];
   board - 4 * flow + (
     RotateLeft[flow] + RotateRight[flow] +
      (RotateLeft /@ flow) + (RotateRight /@ flow)
    )
  );
{m, n} = {100, 100};
board = Table[0, {m}, {n}];
board[[Range[Round[0.1 m], Round[0.7 n]],
   Range[Round[0.1 m], Round[0.7 n]]]] = 1;
add = Table[0, {m}, {n}];
add[[Range[Round[0.3 m], Round[0.9 n]], Range[Round[0.3 m], Round[0.9 n]]]] = 1;
board = board + add;
board = N[board];
Dimensions[board]
```

```
{100, 100}
```

```
Draw[board]
```



```
Dynamic[Draw[board]]
```




```
Do[board = Step[board], {10 000}];
```

```
Draw[board]
```