

```
GraphicsGrid[Partition[Table[
  ArrayPlot[Table[
    If[MemberQ[IntegerDigits[x, 3]~Union~IntegerDigits[y, 3], 1], 0, 1],
    {x, 0, 3^n-1}, {y, 0, 3^n-1}
  ]],
  {n, 1, 6}
], 3]]
```

