

```

const fn = (board) => {
  const n = 9;
  const m = 3;
  const rows = [...new Array(n)].map(() => ({}));
  const columns =
  const boxes =

  for (let i = 0; i < n; i++) {
    for (let j = 0; j < n; j++) {
      if (board[i][j] === '.') continue;
      const num = parseInt(board[i][j]);
      const p = m * Math.floor(i / m) + Math.floor(j / m);
      if (num in rows[i] || num in columns[j] ||
          num in boxes[p]) {
        return false;
      }
      rows[i][num] = true;
      columns[j][num] = true;
      boxes[p][num] = true;
    }
  }
  return true;
}

```

$= m \cdot \frac{i}{m} + \frac{j}{m}$

1

0 1 2

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

0 1 2

~~$m \cdot i + j$~~ $m \cdot i' + j'$
 $[1, 2] = 3 \cdot 1 + 2$
 $= 5$

$i \quad j$
 $(4, 8)$

~~4~~
 $box = (i/m, j/m)$
 $= m' \cdot \frac{i}{m} + \frac{j}{m}$