

FIVE STAR.  
★★★★★

add To List :: [Int] → <sup>index</sup> Int → <sup>value</sup> Int → [Int]

check List :: [Int] → Bool

check Row ::

check CW ::

check CCW :: [Int] → [Int] → Bool

lotus Solver :: [Int] → [Int]

recurse :: [Int] → Int → [Int]

recurse A index

| index == 49 = A

| let B = recurse (addToList A (index+1) snd B) (index+1)

| otherwise = recurse

where B = checkAndRecurse A index 1

A[index]

checkAndRecurse :: [Int] → Int → Int → (Bool, Int)

~ A index val

| val == 8 = (False, 0)

| check (addToList A index val) = (True, val)

| <sup>otherwise</sup> checkAndRecurse A index (val+1)