

Problem 1

A4: {1,2,3,4,5,6,7,8,9}

A6: {1,2,3,4,5,6,7,8,9}

B5: {1,2,3,4,5,6,7,8,9}

C5: {1,2,3,4,5,6,7,8,9}

Or the initial means taking constraints for the same box into account.

A4: {1,4,7,9}

A6: {1,4,7,9}

B5: {1,4,7,9}

C5: {1,4,7,9}

Problem 2

A4: {4,9}

A6: {1,4,7}

B5: {4,7}

C5: {7,9}

Problem 3

We should choose A4 or B5 or C5.

Problem 4

We should choose 9 because this rule out only one possible value.

Problem 5

Only 3 puzzles can be solved by AC-3.

Problem 6

Please see output.txt file.