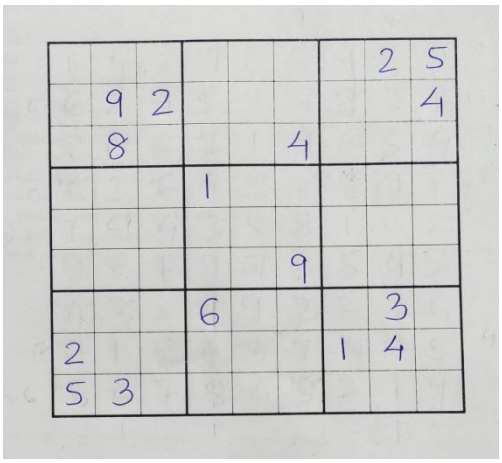
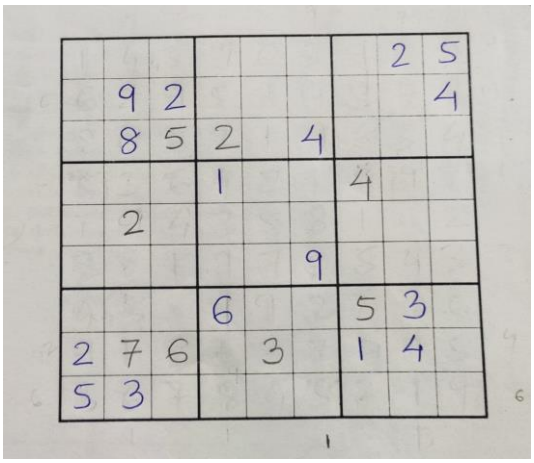
A walk through for the 9x9 Anti Knight Sudoku in SM5 2020 (Converse and Odd Even)

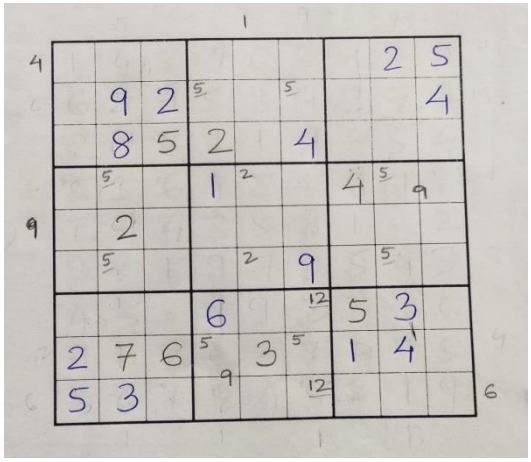
- **Ramesh Swarnakar**



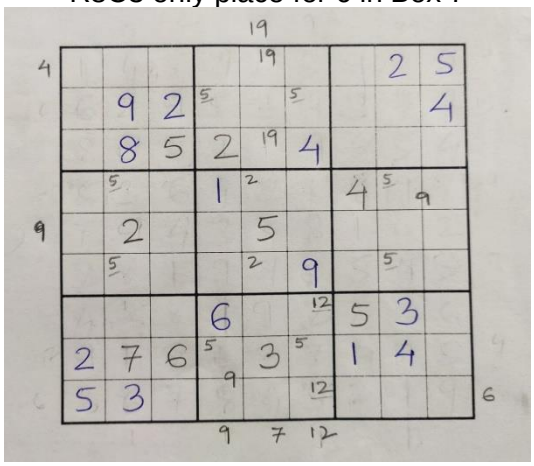
Initial position



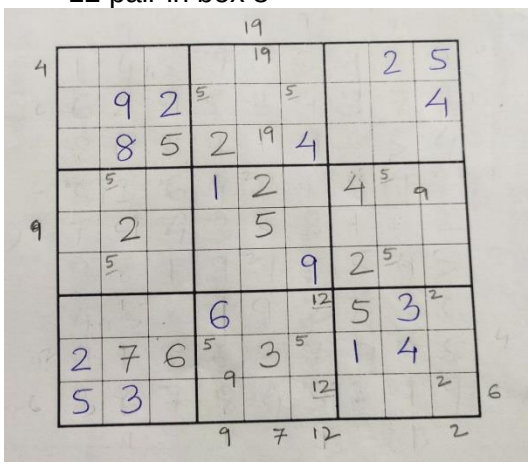
- R3C3 only place for 5 in Box 1
- R3C4 only place for 2 in Row 3
- R4C7 only place for 4 in Column 7
- R7C7 only place for 5 in Box 9
- R8C5 only place for 3 in Row 8
- 7 only possibility in R8C2
- R8C3 only place for 6 in Box 7



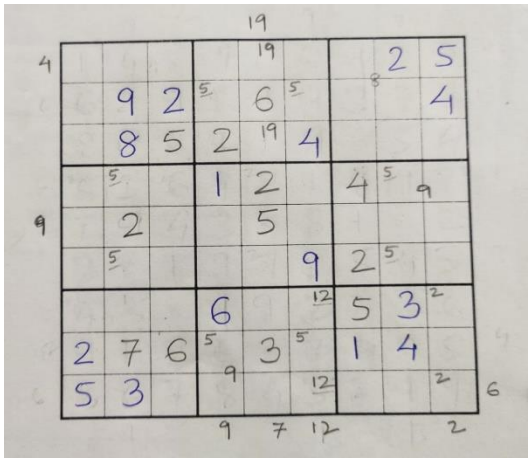
- Some pencilmarkings
- 12 pair in box 8



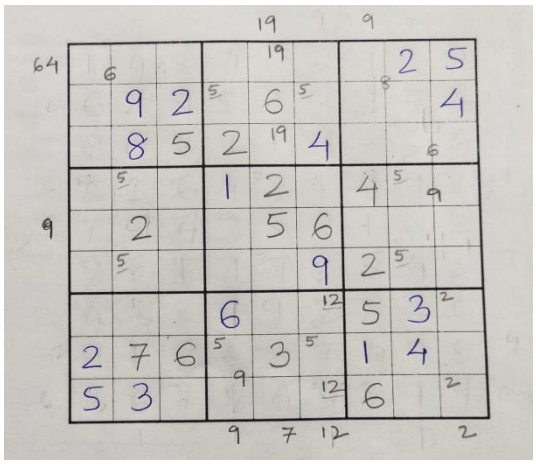
- 5 in R5C5 – only place in box 5



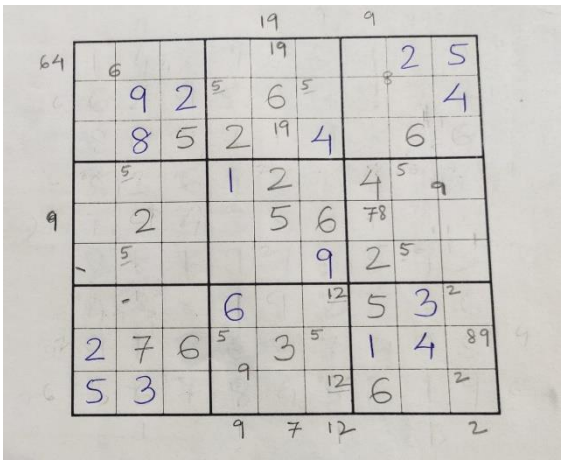
- Because of the 12 pair in box 8, 2 cannot come in R9C7.
- So 2 should be in R5C7 or R6C7.
- This eliminates 2 from R6C5.
- So 2 can be filled in Box 5 and Box 6.



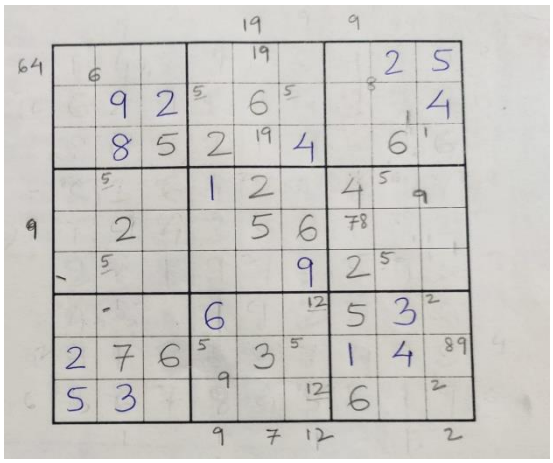
- We already have a 19 pair in C5 in Box 2.
- Now 7 must come in C5 in Box 8.
- Also 8 will come in R1C7, R2C7 or R2C8 in Box 3. In all three cases 8 cannot come in R2C5.
- So R2C5 is 6 – only number which can come there.



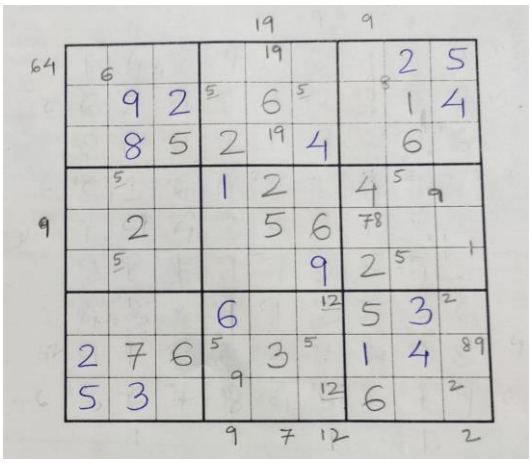
- Only place for 6 in Box 5 – R5C6



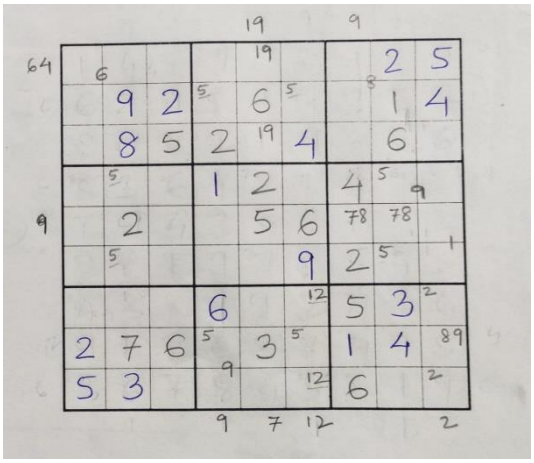
- Due to 6 in R5C6, 6 in Box 6 will be in C9. This eliminates 6 from R3C9.
- Only place for 6 in Box 3: R3C8



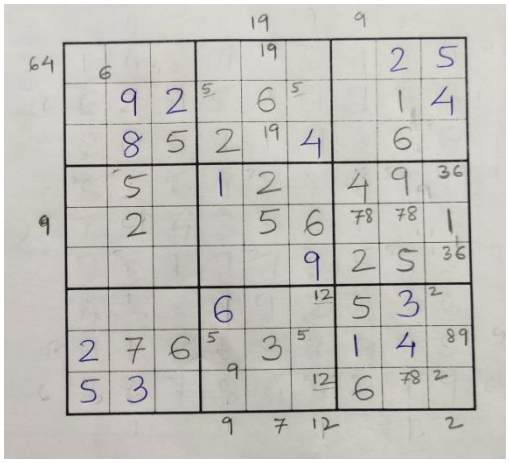
- Some more pencilmarkings



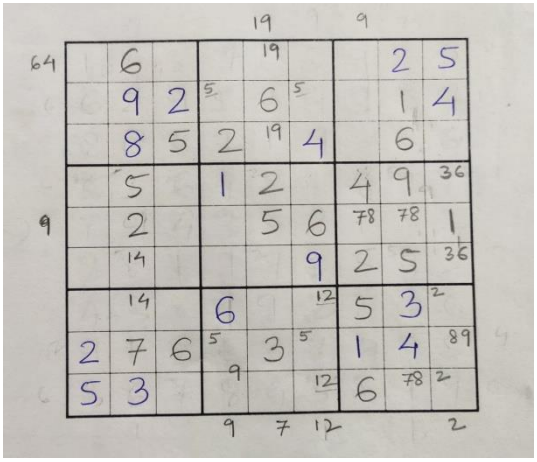
- 1 can be ruled out from R3C9 as it leads to contradictions in Box 6 for 1.
- So 1 goes into R2C8.



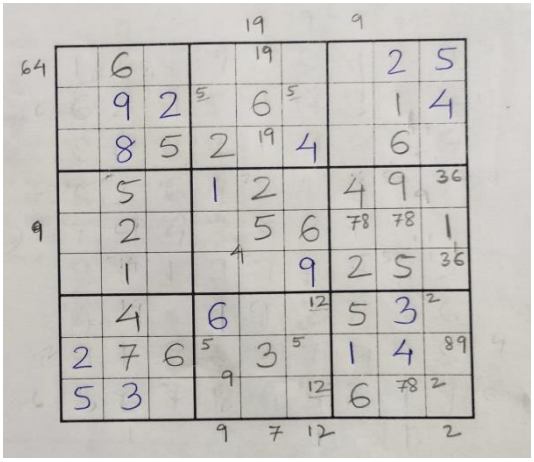
- 78 pair in Box 6



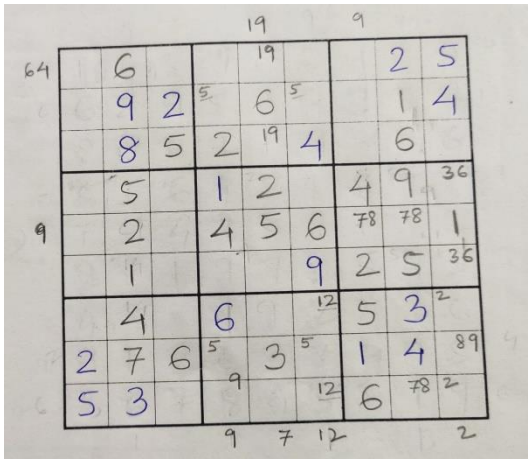
- We get 1 in Box 6 C9 and a 36 pair.
- 5 and 9 can be filled in Box 6.
- 5 in Box 4 can also be filled.



- In C2 only one place for 6.
- And we get a 14 pair.



- Wherever 4 comes in box5, it cannot come in R6C2.
- This resolves the 14 pair.



- 4 goes into R5C4
- 2 in R2C7 will get eliminated due to 2 in R6C7. So 2 will come in R9C9.

After this it is easy enough to be solved by usual classic and anti-knight rules.