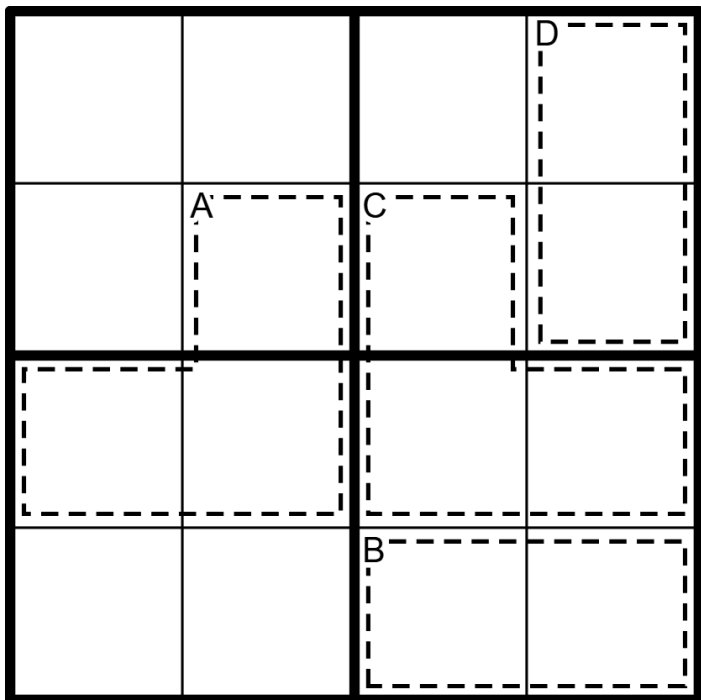# Cheryl's Sudoku

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This puzzle is inspired by the logic puzzle *"Cheryl's Birthday"*, which was posed as part of the Singapore and Asian Schools Math Olympiad (SASMO) in 2015. I tried to put a Sudoku spin on this kind of logical puzzle archetype. I hope you enjoy!

Solve it on [SudokuPad](#).

Rules:

- Albert, Bertrand, Carl and David are perfectly logical Sudoku solvers. They are shown the following 4×4 Sudoku grid with these rules:
    - Normal 4×4 Sudoku rules apply.
    - Digits in cages sum up to the value in the top left and may repeat if allowed by other rules.
- Each solver is privately told the value of one variable:
    - Albert is told A, Bertrand is told B, Carl is told C, and David is told D.
- They then have the following conversation:
    - Albert: "Nobody here can place any digits yet."
    - Bertrand: "Well, now I do."
    - Carl: "No one else was told the same number as I was."
    - David: "Someone here knows more digits than I do."
- After this exchange, one of the four solvers completes the Sudoku. Can you do the same?

Solution code: *Row 1 from left to right followed by the starting letter of the first person who was able to solve the Sudoku (4 digits, 1 letter).*

[   ] Submit solution code

[Full list](#)