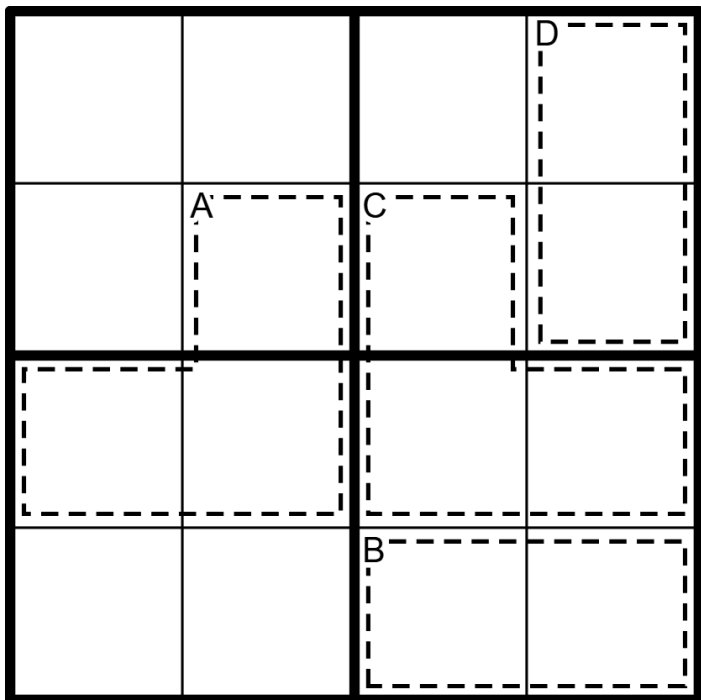


# Cheryl's Sudoku

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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

Last changed on 6. June 2025, 17:21

Solved by OldManJoe9, Tulrak, 72kchunshuai, bansalsaab, xiaoji, marcmees, ccotreau, CutieRainbow, steeto, nuzzopa, SXH, MonsieurTRISTE, Ood, Leaving Leaves, ManlyPebbles, dovisutu, Ramez, cyddrdrd, SKORP17, ... kdkirby, toshii, tome\_coelho, Pierr3, patlapatat, joelth, MikeMeech, aashay, flyjim, brabb.04, gabrupro, Beethoven3, Nakatomy, konjecture, Uhu, Julien, npubem, Sliark, yangduoxing, redfoot, dpsy

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