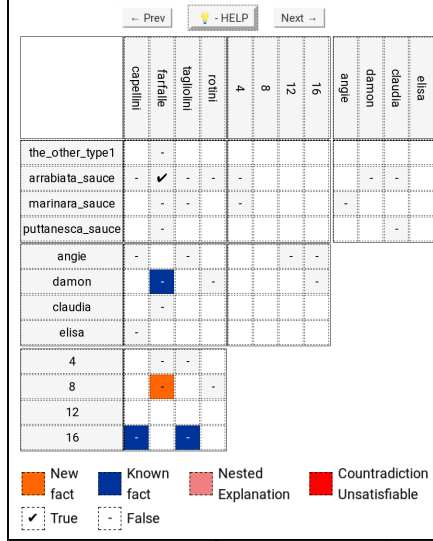


# Abstraction Level 1 Simple Explanation

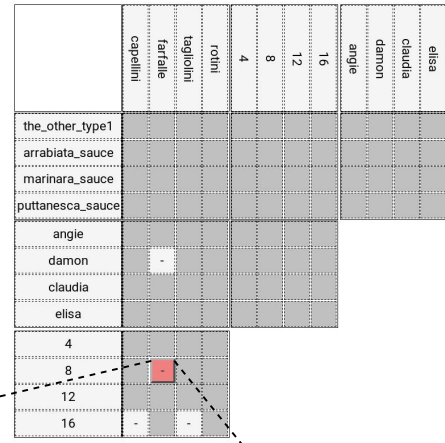
## Clues

1. The person who ordered capellini paid less than the person who chose arrabiata sauce
2. The person who ordered tagliolini paid more than Angie
3. The person who ordered tagliolini paid less than the person who chose marinara sauce
4. Claudia did not choose puttanesca sauce
5. The person who ordered rotini is either the person who paid \$8 more than Damon or the person who paid \$8 less than Damon
6. The person who ordered capellini is either Damon or Claudia
7. The person who chose arrabiata sauce is either Angie or Elisa
8. The person who chose arrabiata sauce ordered farfalle
9. Logigram Constraint
  - Transitivity constraint
  - Bijectivity
  - Combination of logigram constraints

## Visual explanation



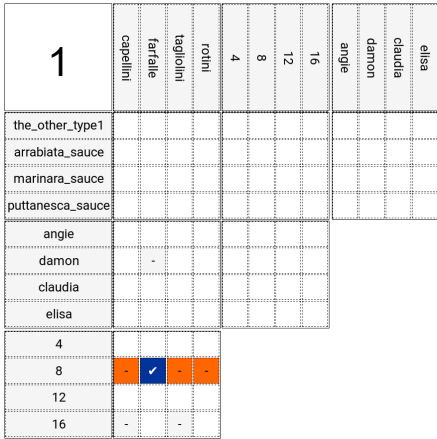
nested-explanation



Next min-explanation

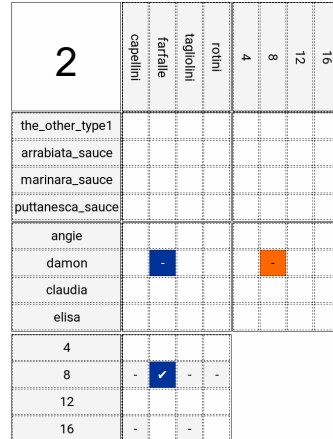
# Abstraction Level 2 Nested Explanation

1



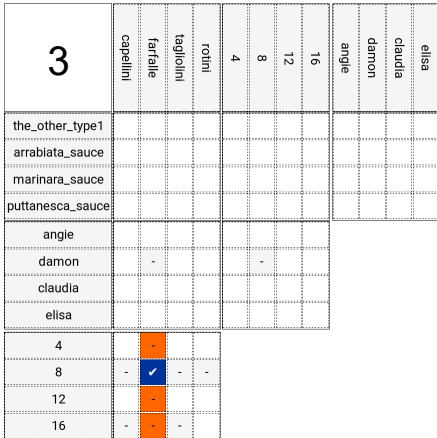
1. The person who ordered capellini paid less than the person who chose arrabiata sauce
2. The person who ordered tagliolini paid more than Angie
3. The person who ordered tagliolini paid less than the person who chose marinara sauce
4. Claudia did not choose puttanesca sauce
5. The person who ordered rotini is either the person who paid \$8 more than Damon or the person who paid \$8 less than Damon
6. The person who ordered capellini is either Damon or Claudia
7. The person who chose arrabiata sauce is either Angie or Elisa
8. The person who chose arrabiata sauce ordered farfalle
9. Logigram Constraint
  - Transitivity constraint
  - **Bijectivity**
  - Combination of logigram constraints

2



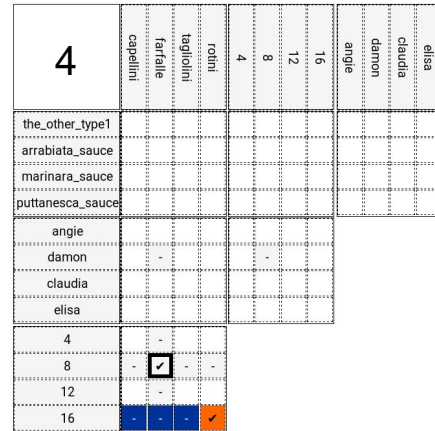
1. The person who ordered capellini paid less than the person who chose arrabiata sauce
2. The person who ordered tagliolini paid more than Angie
3. The person who ordered tagliolini paid less than the person who chose marinara sauce
4. Claudia did not choose puttanesca sauce
5. The person who ordered rotini is either the person who paid \$8 more than Damon or the person who paid \$8 less than Damon
6. The person who ordered capellini is either Damon or Claudia
7. The person who chose arrabiata sauce is either Angie or Elisa
8. The person who chose arrabiata sauce ordered farfalle
9. Logigram Constraint
  - Transitivity constraint
  - Bijectivity
  - Combination of logigram constraints

3



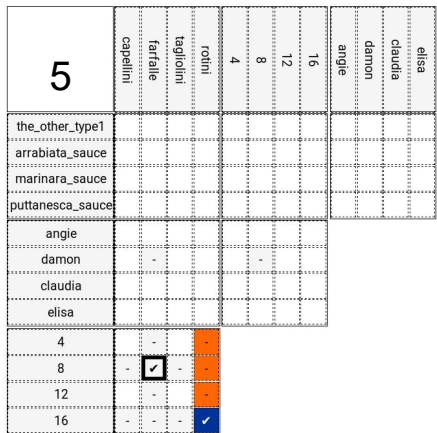
1. The person who ordered capellini paid less than the person who chose arrabiata sauce
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5. The person who ordered rotini is either the person who paid \$8 more than Damon or the person who paid \$8 less than Damon
6. The person who ordered capellini is either Damon or Claudia
7. The person who chose arrabiata sauce is either Angie or Elisa
8. The person who chose arrabiata sauce ordered farfalle
9. Logigram Constraint
  - Transitivity constraint
  - **Bijectivity**
  - Combination of logigram constraints

4



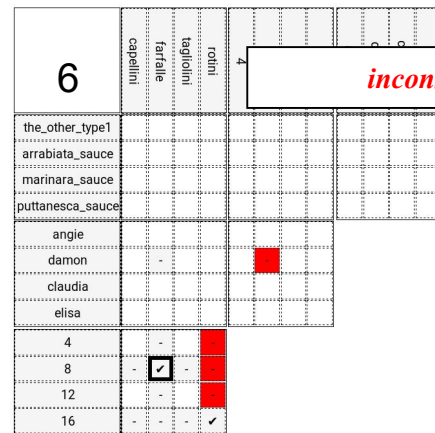
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7. The person who chose arrabiata sauce is either Angie or Elisa
8. The person who chose arrabiata sauce ordered farfalle
9. Logigram Constraint
  - Transitivity constraint
  - **Bijectivity**
  - Combination of logigram constraints

5



1. The person who ordered capellini paid less than the person who chose arrabiata sauce
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8. The person who chose arrabiata sauce ordered farfalle
9. Logigram Constraint
  - Transitivity constraint
  - **Bijectivity**
  - Combination of logigram constraints

6



1. The person who ordered capellini paid less than the person who chose arrabiata sauce
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6. The person who ordered capellini is either Damon or Claudia
7. The person who chose arrabiata sauce is either Angie or Elisa
8. The person who chose arrabiata sauce ordered farfalle
9. Logigram Constraint
  - Transitivity constraint
  - Bijectivity
  - Combination of logigram constraints

inconsistency