Exercises

Use Karnaugh maps to find the minimal form for each expression.

1. $xy + xy'$

2. $xy + x'y + x'y'$

3. $xy' + x'y'$

4. $xyz + xyz' + xy'z$

5. $xyz' + xy'z + xy'z' + x'yz + x'yz' + x'y'z$

6. $xyz + xyz' + x'yz + x'y'z$

7. $xyz + xyz' + xy'z + xy'z' + x'y'z$

8. $xyzt + xyz't + xyzt' + x'yzt + x'y'zt + x'yzt'$

9. $xyz't + xy'zt + xy'z't + x'yzt + x'yz't + x'yzt' + x'y'z't'$

10. $xy'z't + xy'zt' + xy'z't' + x'y'zt + x'y'z't + x'y'zt' + x'y'z't'$

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