Варианты заданий:

1. f=$\overline{a\cdot b\vee \bar{a}\cdot b\vee \bar{a}\cdot \bar{b}\vee a\cdot b\cdot c\cdot (a\vee b)} = a\cdot \bar{b} = g$
2. f=$\overline{(x\vee y\vee z)\cdot (x\cdot y\vee z)\cdot y} = y\to \bar{x}\cdot \bar{z} = g$
3. f=$\overline{\bar{x}\cdot (y\vee z)\cdot (x\vee \bar{y}\vee z)} = x\vee \bar{z} = g$
4. f=$\overline{\bar{a}\cdot p\cdot c\vee c\cdot \bar{a}\cdot \bar{p}\vee p\cdot c\cdot (p\vee c)} = \bar{c}\vee a\cdot \bar{p} = g$
5. f=$\overline{a\cdot p\vee \overline{c\cdot p}\vee a\cdot c\cdot (p\vee c)} = \bar{a}\cdot p\cdot c = g$
6. f=$\overline{(y\vee z)\cdot (\bar{x}\vee y\vee z)\cdot (y\vee \bar{z})\cdot z} = y\to \bar{z} = g$
7. f=$\overline{(a\cdot p\cdot c\vee c\vee p)\cdot (\bar{p}\vee \bar{a})\cdot c} = c\to a\cdot p = g$
8. f=$\overline{(a\vee c)\cdot b\cdot (\bar{a}\vee b\vee \bar{c})} = b\to \overline{a\vee c} = g$
9. f=$\overline{\bar{x}\cdot (y\vee \bar{z})\cdot (\bar{x}\vee y\vee z)} = \bar{x}\to \bar{y}\cdot z = g$
10. f=$\overline{a\cdot (\bar{b}\vee \bar{c})\cdot (\bar{a}\vee b\vee c)} = a\to (b\sim c) = g$
11. f=$\overline{(a\vee \bar{b})\cdot b\cdot (a\vee b\vee \bar{c})} = a\to \bar{b} = g$
12. f=$\overline{\bar{p}\cdot (p\vee q)\cdot (\bar{a}\vee p\vee q)} = \bar{p}\to \bar{q} = g$
13. f=$\overline{(\bar{a}\vee \bar{b}\vee c)\cdot (a\vee b)\cdot c} = c\to \bar{a}\cdot \bar{b} = g$
14. f=$\overline{(x\vee y)\cdot y\cdot (\bar{x}\vee \bar{y}\vee \bar{z})} = y\to x\cdot z = g$
15. f=$\overline{\bar{a}\cdot (\bar{a}\vee \bar{b})\cdot (a\vee \bar{b}\vee c)} = a\vee b\cdot \bar{c} = g$
16. f=$\overline{\overline{a\cdot c}\cdot (a\cdot b\vee \bar{c}\vee a\cdot c)\cdot (\bar{a}\vee c)} = a\oplus c = g$
17. f=$(x\cdot \bar{y}\vee y\cdot z\vee x\cdot \bar{y}\cdot z)\cdot (\bar{x}\vee \bar{z})\vee z = \bar{z}\to x\cdot \bar{y} = g$
18. f=$\overline{(a\vee c)\cdot p\vee \bar{p}\cdot (a\vee p\vee c)} = \bar{a}\cdot \bar{c} = g$
19. f=$\overline{(a\cdot c\vee p)\cdot (a\vee \bar{p}\vee c)\cdot \bar{p}} = \bar{p}\to \overline{a\cdot c} = g$
20. f=$\overline{q\cdot (\bar{a}\vee \bar{p})\cdot (a\vee p\vee q)} = q\to a\cdot p = g$
21. f=$\overline{(\bar{x}\vee \bar{z})\cdot y\cdot (x\cdot y\vee y\vee \bar{z})} = \bar{y}\vee x\cdot z = g$
22. f=$\overline{(\bar{a}\vee \bar{b}\vee \bar{c})\cdot (\bar{b}\vee c)\cdot b} = \bar{a}\to \overline{b\cdot c} = g$
23. f=$\overline{(x\vee z)\cdot (\bar{x}\vee \bar{y}\vee z)\cdot (y\vee z)} = \bar{z} = g$
24. f=$\overline{\bar{x}\cdot (y\vee z)\cdot (\bar{x}\vee \bar{y}\vee z)\vee \bar{z}} = x\cdot z = g$
25. f=$\overline{y\cdot (x\vee \bar{z})\cdot (x\vee y\vee z)\vee \bar{x}} = x\cdot \bar{y} = g$
26. f=$\overline{x\cdot (\bar{y}\vee z)\cdot (x\vee y\vee \bar{z})\vee \bar{z}} = \bar{x}\cdot z = g$
27. f=$\overline{z\cdot (\bar{x}\vee y)\cdot (\bar{x}\vee y\vee z)\vee \bar{y}} = y\cdot \bar{z} = g$
28. f=$\overline{x\cdot (y\vee \bar{z})\cdot (x\vee y\vee z)} = x\to \bar{y}\cdot z = g$
29. f=$\overline{(a\cdot b\cdot c\vee c\vee a)\cdot (\bar{a}\vee \bar{c}\cdot b)\cdot b} = b\to (a\sim c) = g$
30. f=$\overline{(x\vee \bar{z})\cdot y\cdot (\bar{x}\vee y\cdot z\vee z)} = y\to (x\oplus z) = g$
31. f=$\overline{(x\cdot y\vee \bar{y}\vee \bar{x}\cdot \bar{y}\cdot z)\cdot (y\vee \bar{z})\cdot y} = x\to \bar{y} = g$
32. f=$\overline{(x\cdot \bar{y}\cdot z\vee y\cdot \bar{z}\vee y)\cdot (x\vee \bar{y})\cdot (x\vee y)} = x\to \bar{y}\cdot \bar{z} = g$
33. f=$\overline{(x\vee z)\cdot (\bar{x}\vee x\cdot \bar{y}\vee x\cdot z)\cdot z} = \bar{z} = g$
34. f=$\overline{a\cdot (a\cdot \bar{c}\vee \bar{a}\cdot b\cdot c\vee \bar{b}\cdot \bar{c})\cdot (a\vee c)} = a\to c = g$
35. f=$\overline{(p\cdot q\vee \bar{p}\cdot \bar{q}\cdot t\vee \bar{q})\cdot \bar{p}\cdot (q\vee t)} = p\vee q\vee \bar{t} = g$

36. f=$\overline{b\cdot(a\vee b)(a\cdot b\cdot\bar{c}\vee\bar{b}\cdot\bar{c}\vee a\cdot c)}=a\to\bar{b}=g$
37. f=$\overline{(x\cdot y\vee\overline{y\cdot z})\cdot x\vee(y\cdot z\vee y\cdot\bar{z})\cdot y}=\bar{x}\cdot\bar{y}=g$
38. f=$\overline{(a\cdot c\vee\bar{a}\cdot\bar{c}\vee a\cdot b\cdot c)\cdot(a\vee c)\vee\bar{c}}=\bar{a}\cdot c=g$
39. f=$\overline{(p\cdot q\cdot\bar{t}\vee\bar{q}\cdot t\vee\bar{p}\cdot\bar{q}\cdot t)\cdot t\cdot(q\vee t)}=\bar{q}\to\bar{t}=g$
40. f=$\overline{(x\cdot\bar{y}\vee\bar{x}\cdot\bar{y}\cdot z\vee x)\cdot\bar{y}\cdot(\bar{x}\vee z)}=\bar{y}\to\bar{z}=g$