

```
#include <iostream>
#include <iomanip>

using namespace std;

void Func(bool P, bool Q, bool R);
void PrintHead();

int main()
{
    PrintHead();

    for (int i = 0; i < 2; i++)
    {
        for (int j = 0; j < 2; j++)
        {
            for (int l = 0; l < 2; l++)
            {
                Func(i, j, l);
            }
        }
    }

    cout << " +" << setw(103) << setfill('-') << "+" << endl;
}

void PrintHead()
{
    cout << endl << " +" << setw(103) << setfill('-') << "+" << endl;
    cout << " | P Q R (P ↔ Q) (P ↔ R) (Q ↔ R) ((P ↔ Q) ↔ (P ↔ R)) (((P ↔ Q) ↔ (P ↔ R)) ↔ (Q ↔ R)) F(P,Q,R) |" << endl;
    cout << " +" << setw(103) << setfill('-') << "+" << endl;
}

void Func(bool P, bool Q, bool R)
{
    cout << " | " << P << " " << Q << " " << R;
    cout << setw(6) << setfill(' ') << (P == Q);
    cout << setw(9) << setfill(' ') << (P == R);
    cout << setw(9) << setfill(' ') << (R == Q);
    cout << setw(15) << setfill(' ') << ((P == Q) == (P == R));
    cout << setw(27) << setfill(' ') << (((P == Q) == (P == R)) == (Q == R));
    cout << setw(22) << setfill(' ') << (((P == Q) == (P == R)) == (Q == R)) == R;
    cout << setw(6) << setfill(' ') << "|" << endl;
}
```