



```

for(Iter[0] = 0; Iter[0] < Csize[0]; Iter[0]++){
    V0 = C[0][Iter[0]];
    C[1] = N(V0);

    for(Iter[1] = 0; Iter[1] < Csize[1]; Iter[1]++){
        V1 = C[1][Iter[1]];
        C[2] = N(V0) - N(V1);

        for(Iter[2] = 0; Iter[2] < Csize[2]; Iter[2]++){
            V2 = C[2][Iter[2]];
            C[3] = N(V0) + N(V1) + N(V2);

            for(Iter[3] = 0; Iter[3] < Csize[3]; Iter[3]++){
                V3 = C[3][Iter[3]];
                Output({V0, V1, V2, V3 });
            }
        }
    }
}

```