Below is a SQL solution to the challenge of May 2019 (Map Coloring).

The txt below can be copied to "map_coloring.sql", or simply cut and paste everything into Postgres or SQL Server.

Note: There are 144 solutions

```
WITH color AS ( -- Blue, Red, Green, Yellow
    SELECT p FROM (
        VALUES ('B'), ('R'), ('G'), ('Y')
    ) AS x(p)
),
possible AS ( -- generate 4^6 = 4096 possible combinations
    SELECT a.p AS BE -- Belgium,
        b.p AS DK -- Denmark,
        c.p AS FR -- France,
        d.p AS DE -- Germany,
        e.p AS LU -- Luxembourg,
        f.p AS NL -- Netherlands
    FROM color AS a
    CROSS JOIN color AS b
    CROSS JOIN color AS c
    CROSS JOIN color AS d
    CROSS JOIN color AS e
    CROSS JOIN color AS f
)...
```
AND BE NOT IN (FR, LU, DE, NL)

-- DK borders DE
AND DK NOT IN (DE)

-- FR borders BE, LU, DE
AND FR NOT IN (BE, LU, DE)

-- DE borders FR, LU, BE, NL, DK
AND DE NOT IN (FR, LU, BE, NL, DK)

-- LU borders FR, DE, BE
AND LU NOT IN (FR, DE, BE)

-- NL borders BE, DE
AND NL NOT IN (BE, DE)

-- order results
ORDER BY BE, DK, FR, DE, LU, NL