```
🛵 main.py
1
       from itertools import product
 2
       def F(x1, x2, x3, x4, x5, x6, x7, x8, x9, x10):
            l1 = ((x1 == x2) \text{ or not } (x2 == x3) \text{ or } (x3 == x4)) == 1
 3
            12 = ((x3 == x4)) and not (x4 == x5) and (x5 == x6)) == 1
            13 = ((x5 == x6) \text{ or not } (x6 == x7) \text{ or } (x7 == x8)) == 1
            14 = ((x7 == x8)) and not (x8 == x9) and (x9 == x10)) == 1
            return l1 and l2 and l3 and l4
 8
       count = 0
       for x in product([0, 1], repeat = 10):
10
           if F(*x):
11
12
                count += 1
       print(count)
13
```

Run: 💮 🙌 main 🗦

```
TestProject1 > 💤 main.py
 📥 main.py 🔀
         uniq = \{25\}
        for _ in range(4):
 3
               prev = set()
               for x in uniq:
 4
                    prev.add(x // 2)
 5
                    prev.add(x - 3)
 6
               uniq = prev
         print(uniq)
     🥏 main 🗡
 Run:
      /Users/alex/.conda/envs/TestProject1/bin/python /Users/alex/
    \downarrow {0, 1, 2, 3, 4, 5, 6, 8, 13}
```