The goal 'f' cannot be achieved. [Program finished]

```
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     facts = {
 2
 3
       'a': True,
 4
       'b': True,
 5
       'c': False
 6
 7
 8
     rules = [
       ('d', ['a', 'b']),
 9
       ('e', ['b', 'c']),
10
       ('f', ['d', 'e'])
11
     12
     def backward_chaining(goal, facts, rules):
13
14
15
       if goal in facts:
16
         return facts[goal]
17
18
19
       for head, body in rules:
         if head == goal:
20
21
22
            if all(backward_chaining(condition, facts,
     rules) for condition in body):
              return True
23
24
25
26
       return False
27
     goal = 'f'
28
29
     if backward_chaining(goal, facts, rules):
30
       print(f"The goal '{goal}' can be achieved.")
31
32
     else:
       print(f"The goal '{goal}' cannot be achieved.")
33
```