M = maço de notas
C1, C2, C3 - caixas

D(x,y) = x dentro de y

a)

1. D(M,C1) || D(M,C2) || D(M,C3) ← forma clausal
2. D(M,C1) => ~D(M,C2) & ~D(M,C3)
3. D(M,C2) => ~D(M,C1) & ~D(M,C3)
4. D(M,C3) => ~D(M,C1) & ~D(M,C2)
5. D(M,C3) || ~D(M,C2) || ~D(M,3) ← forma clausal
6. D(M,C3) => ~(~D(M,C2)) & ~(~D(M,C3))
7. ~D(M,C2) => ~D(M,C3) & ~(~D(M,C3))
8. ~D(M,C3) => ~D(M,C3) & ~(~D(M,C2))

b)

9. ~D(M,C1) || (~D(M,C2) & ~D(M,C3)) [D.I. 2]
10. ~D(M,C2) || (~D(M,C1) & ~D(M,C3)) [D.I. 3]
11. ~D(M,C3) || (~D(M,C1) & ~D(M,C2)) [D.I. 4]
12. ~D(M,C3) || (D(M,C2) & D(M,C3)) [D.I. e D.N. 6]
13. D(M,C2) [D.I. e D.N. 7 + elemento neutro]   ← forma clausal
14. D(M,C3) || (~D(M,C3) & D(M,C2)) [D.I. e D.N. 8]

15. (~D(M,C1) || ~D(M,C2)) & (~D(M,C1) || ~D(M,C3)) [P.D. 9]
16. (~D(M,C2) || ~D(M,C1)) & (~D(M,C2) || ~D(M,C3)) [P.D. 10]
17. (~D(M,C3) || ~D(M,C1)) & (~D(M,C3) || ~D(M,C2)) [P.D. 11]
18. ~D(M,C3) || D(M,C2) [P.D. 12 + elemento neutro] ← forma clausal
19. D(M,C3) || D(M,C2) [P.D. 14 + elemento neutro] ← forma clausal
20. ~D(M,C1) || ~D(M,C2) [E.C. 15, E.C. 16] ← forma clausal
21. ~D(M,C1) || ~D(M,C3) [E.C. 15, E.C. 17] ← forma clausal
22. ~D(M,C2) || ~D(M,C3) [E.C. 16, E.C. 17] ← forma clausal

Forma clausal
{ D(M,C1) || D(M,C2) || D(M,C3), D(M,C3) || ~D(M,C2) || ~D(M,3), **D(M,C2)**,
  ~D(M,C3) || D(M,C2), D(M,C3) || D(M,C2),   ~D(M,C1) || ~D(M,C2),
  ~D(M,C1) || ~D(M,C3), ~D(M,C2) || ~D(M,C3) }

c)

Um vez que consta D(M,C2) na forma clausal, fica demonstrado que o maço de notas está na caixa C2.

Outra resolução, considerando apenas as etiquetas, e formalizando de outra forma:

a)

1. D(M,C3) || ~D(M,C2) || ~D(M,3)
2. ~(D(M,C3) & ~D(M,C2))
3. ~(D(M,C3) & ~D(M,C3))
4. ~(~D(M,C2) & ~D(M,C3))

b)

5. ~D(M,C3) || D(M,C2) [L.D. e D.N. 2]
6. Verdadeiro [simpl. 3]
7. D(M,C2) || D(M,C3) [L.D. e D.N. 4]

c)

8. D(M,C2) || D(M,C2) [Resolução 5, 7]
9. D(M,C2) [simpl. 8]