Testcase 1: ((p) (q (p)) (r (q s t)) (s (p u)) (r (q h)) (t) (h (t)) (u (v)))

> (fchain "testcase1.rkt")

Rule is a fact, so add to Conclusion Set: (p)
Body is in CS and head is not, add: (p q)
Rule is a fact, so add to Conclusion Set: (p q t)
Body is in CS and head is not, add: (p q t h)
Body is in CS and head is not, add: (p q t h r)
Final Conclusion Set:(p q t h r)
Failure! No Solution.

Testcase 2: ((q (p)) (p (l m)) (m (b l)) (l (a p)) (l (a b)) (a) (b))
> (fchain "testcase2.rkt")

Rule is a fact, so add to Conclusion Set: (a)
Rule is a fact, so add to Conclusion Set: (a b)
Body is in CS and head is not, add: (a b l)
Body is in CS and head is not, add: (a b l m)
Body is in CS and head is not, add: (a b l m p)
Body is in CS and head is not, add: (a b l m p q)
Final Conclusion Set:(a b l m p q)
Success! Solution Found!

Testcase 3: ((a) (b) (p (a b c d e)) (q (c e)) (c (a b)) (r (a b d)) (d))

Rule is a fact, so add to Conclusion Set: (a)
Rule is a fact, so add to Conclusion Set: (a b)
Body is in CS and head is not, add: (a b c)
Rule is a fact, so add to Conclusion Set: (a b c d)
Body is in CS and head is not, add: (a b c d r)
Final Conclusion Set:(a b c d r)
Failure! No Solution.