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

> (bchain "testcase1.rkt" 'r)

Rules: ((p) (q (p)) (r (q s t)) (s (p u)) (r (q h)) (t) (h (t)) (u (v)))
Current Goals:(r)
Current Goals:(q s t)
Current Goals:(p s t)
Proven, because it is a fact: p
Current Goals:(s t)
Current Goals:(p u t)
Proven, because it is a fact: p
Current Goals:(u t)
Current Goals:(v t)
Cannot prove atom in current rule: u
Cannot prove atom in current rule: s
Cannot prove atom in current rule: q
Cannot prove atom in current rule: r
Current Goals:(q h)
Current Goals:(p h)
Proven, because it is a fact: p
Current Goals:(h)
Current Goals:(t)
Proven, because it is a fact: t
Current Goals:()
#t Success!

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

Rules: ((q (p)) (p (l m)) (m (b l)) (l (a p)) (l (a b)) (a) (b))
Current Goals:(a)
Proven, because it is a fact: a
Current Goals:()
#t Success!

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

> (bchain "testcase3.rkt" 'q)

Rules: ((a) (b) (p (a b c d e)) (q (c e)) (c (a b)) (r (a b d)) (d))
Current Goals:(q)
Current Goals:(c e)
Current Goals:(a b e)
Proven, because it is a fact: a
Current Goals:(b e)
Proven, because it is a fact: b
Current Goals:(e)
Cannot prove atom in current rule: c
Cannot prove atom in current rule: q#f