

# Пример работы в среде CLIPS

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```
(deffacts initial-facts-set
  (chicken 2) ; kilogram
  (potatoes 3) ; kilogram
  (salt 100) ; gram
)
```

```
(defrule process-soup
  (declare (salience 10))
  ?f1 <- (processed-salt)
  ?f2 <- (processed-chicken)
  ?f3 <- (processed-potatoes)
=>
  (retract ?f1 ?f2 ?f3)
  (assert (soup))
  (printout t "Soup finished!" crlf)
  (halt)
)
```

```
(defrule process-salt
  ?f1 <- (salt ?amount)
  (test (>= ?amount 10))
  =>
  (bind ?new-amount (- ?amount 10))
  (printout t "Salt: " ?amount " =>
" ?new-amount crlf)
  (retract ?f1)
  (assert
    (salt ?new-amount)
    (processed-salt)
  )
)
```

```
(defrule process-chicken
  ?f1 <- (chicken ?amount)
  (test (>= ?amount 1))
=>
  (bind ?new-amount (- ?amount 1))
  (printout t "Chicken " ?amount "
=> " ?new-amount crlf)
  (retract ?f1)
  (assert
    (chicken ?new-amount)
    (processed-chicken)
  )
)
```

```
(defrule process-potatoes
  ?f1 <- (potatoes ?amount)
  (test (>= ?amount 1))
  =>
  (bind ?new-amount (- ?amount 1))
  (printout t "Potatoes " ?amount "
=> " ?new-amount crlf)
  (retract ?f1)
  (assert
    (potatoes ?new-amount)
    (processed-potatoes)
  )
)
```

```
; Run (in CLIPS command line):  
; (clear)  
; (load soup.clp)  
; (set-fact-duplication TRUE)  
; (set-strategy breadth)  
; (reset)  
; (run)
```