

```
(defrule tipo-trianguulo-regla
=>
(printout t "Tipo de triangulo (1. Lado/ 2. Ángulo)? " crlf)
(assert (tipo-trianguulo(read)))
)

(defrule tipo-lados
(tipo-trianguulo 1)
=>
(printout t "Ingresa los tres lados " crlf)
(assert (pl(read)))
(assert (sl(read)))
(assert (tl(read)))
)

(defrule tipo-angulos
(tipo-trianguulo 2)
=>
(printout t "Ingresa los tres angulos " crlf)
(assert (pa(read)))
(assert (sa(read)))
(assert (ta(read)))
)

(defrule equilatero
(pl ?x)
(sl ?y)
(tl ?z)
(test (and (= ?x ?y) (= ?x ?z)))
=>
(printout t "Es Equilátero" crlf)
)

(defrule isosceles
(pl ?x)
(sl ?y)
(tl ?z)
(test (or (and (= ?y ?z) (!= ?y ?x)) (or (and (= ?x ?y) (!= ?x ?z)) (and (!= ?x ?y) (= ?x ?z)))))
=>
(printout t "Es Isósceles" crlf)
)

(defrule escaleno
(pl ?x)
(sl ?y)
(tl ?z)
(test (or (and (!= ?y ?z) (!= ?y ?x)) (or (and (!= ?x ?y) (!= ?x ?z)) (and (!= ?x ?y) (!= ?x ?z)))))
=>
(printout t "Es Escaleno" crlf)
)

(defrule rectangulo
(pa ?x)
(sa ?y)
(ta ?z)
(test (and (= 180 (+ ?x (+ ?y ?z))) (or (= ?x 90) (or (= ?y 90) (= ?z 90)))))
=>
(printout t "Es Rectángulo" crlf)
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59 )
60
61 (defrule acutangulo
62 (pa ?x)
63 (sa ?y)
64 (ta ?z)
65 (test (and (< ?x 90) (and (< ?y 90) (and (< ?z 90) (= 180 (+ ?x (+ ?y ?z)))))))
66 =>
67 (printout t "Es Oblicuángulo-Acutángulo" crlf)
68 )
69
70 (defrule obtusangulo
71 (pa ?x)
72 (sa ?y)
73 (ta ?z)
74 (test (and (= 180 (+ ?x (+ ?y ?z))))
75 (or (or (and (> ?x 90) (and (< ?y 90) (< ?z 90))) (and (> ?y 90) (and (< ?x 90)
    (< ?z 90)))) (and (> ?z 90) (and (< ?x 90) (< ?y 90)))))
76 =>
77 (printout t "Es Oblicuángulo-Obtusángulo" crlf)
78 )
```