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while(a,seq)= while a is nonzero evaluate the expression sequence seq. Otherwise 0.

until(a,seq)=evaluate the expression sequence seq until a is nonzero.

for(X=a,b,seq)=the sequence is evaluated, X going from a up to b.

if(a,seq1,seq2)= if a is nonzero, seq1 is evaluated, otherwise seq2.

forprime(X=a,b,seq)=the sequence is evaluated, X running over the primes between a and b.

sum(x,X=a,b,expr)=x plus the sum (X goes from a to b) of expression expr.

divsum(n,X,expr)=sum of expression expr, X running over the divisors of n.

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