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[> # want code that will find a trinomial that causes factorization
[> m := t^2 + t + 19 :
[> try1 := subs(t=2*p^2 + 3*p + 4, m);
      try1 := (2 p^2 + 3 p + 4)^2 + 2 p^2 + 3 p + 23 (1)
[> try2 := expand(try1);
      try2 := 4 p^4 + 12 p^3 + 27 p^2 + 27 p + 39 (2)
[> factor(try2);
      4 p^4 + 12 p^3 + 27 p^2 + 27 p + 39 (3)
[> try3 := factor(x^2 - 1);
      try3 := (x - 1) (x + 1) (4)
[> with(StringTools) :
[> # I want to check if the expression try3 has parenthesis.
[> # In the past, I changed the expression to a string, and then checked for the character "("
[> # The command Has(expr,"(") may be helpful
[> for a from 1 to 3 do
      for b from 1 to 2 do
        for c from 1 to 4 do
          temp := a*w^2 + b*w + c;
          temp2 := subs(p = temp, p^2 + p + 19);
          temp3 := expand(temp2);
          temp4 := factor(temp3);
          # if the expression temp4 has parenthesis then print to screen, hurrah we found one.
        end do;
      end do;
    end do;
[> #argh code not right.

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