

Euler-Polynomial

```
var('x')
```

x

```
p(x) = x^2 + x + 41
```

```
p(3)
```

53

```
is_prime(p(3))
```

True

```
for n in range(0,40):  
    n,is_prime(p(n))
```

```
(0, True)  
(1, True)  
(2, True)  
(3, True)  
(4, True)  
(5, True)  
(6, True)  
(7, True)  
(8, True)  
(9, True)  
(10, True)  
(11, True)  
(12, True)  
(13, True)  
(14, True)  
(15, True)  
(16, True)  
(17, True)  
(18, True)  
(19, True)  
(20, True)  
(21, True)  
(22, True)  
(23, True)  
(24, True)  
(25, True)  
(26, True)  
(27, True)  
(28, True)  
(29, True)
```

(30, True)
(31, True)
(32, True)
(33, True)
(34, True)
(35, True)
(36, True)
(37, True)
(38, True)
(39, True)

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