Polynom - příklad

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

```
R = PolynomialRing(QQ, x)
```

```
p0=x^3 + x^2 + 2*x + 2
p0.parent()
```
> Symbolic Ring

```
p0 in R
```
> True

```
p0.is_irreducible()
```
> Traceback (click to the left of this block for traceback)
> ...
> AttributeError: 'sage.symbolic.expression.Expression' object has no
> attribute 'is_irreducible'

```
p0.factor()
```
> (x^2 + 2)*(x + 1)

```
p1=R(x^3 + x^2 + 2*x + 2)
p1.parent()
```
> Univariate Polynomial Ring in x over Rational Field

```
p1.is_irreducible()
```
> False

```
p1.factor()
```
> (x + 1) * (x^2 + 2)