

```
> restart;
interface(version);
```

Standard Worksheet Interface, Maple 2017.3, Windows 7, September 27 2017 (1)
Build ID 1265877

```
> pde1 := k diff(u(x, t), x, x) = diff(u(x, t), t)
```

$$pde1 := k \left(\frac{\partial^2}{\partial x^2} u(x, t) \right) = \frac{\partial}{\partial t} u(x, t) \quad (2)$$

```
> iv1 := u(0, t) = 0, u(L, t) = 0, u(x, 0) = 2;
```

$$iv1 := u(0, t) = 0, u(L, t) = 0, u(x, 0) = 2 \quad (3)$$

```
> pdsolve([pde1, iv1], u(x, t))
```

$$u(x, t) = \sum_{n=1}^{\infty} - \frac{4 \left(-1 + (-1)^{n \operatorname{csgn}\left(\frac{1}{L}\right)} \right) \sin\left(\frac{n \pi x}{L}\right) e^{-\frac{k \pi^2 n^2 t}{L^2}}}{\pi n} \quad (4)$$

```
> subs(_Z4~ = n, %)
```

$$u(x, t) = \sum_{n=1}^{\infty} - \frac{4 \left(-1 + (-1)^{n \operatorname{csgn}\left(\frac{1}{L}\right)} \right) \sin\left(\frac{n \pi x}{L}\right) e^{-\frac{k \pi^2 n^2 t}{L^2}}}{\pi n} \quad (5)$$

```
>
```

I would like to replace the symbol `_Z4~` with the letter `n`

. I tried with the ***subs*** command, but I could not. Can anyone help?