```
> restart;
> rng := evalf( rand(0..1000000) / 1000000 );
```

rng := 0.000001000000000 **proc**( ) **(1)**

proc( ) **option** *builtin* = *RandNumberInterface*; **end proc**(6, 1000001, 20)

end proc

```
> rng( );
```

0.9581980000 **(2)**

```
>
> p := 0.5;
```

$p := 0.5$ **(3)**

```
> NE := 10;
```

$NE := 100$ **(4)**

```
> NH := 0;
```

$NH := 0$ **(5)**

```
> for i from 1 to NE do
    Nt := 0 :
    for k from 1 to 4 do
    RN := rng( ) :
    if RN < p then Nt := Nt+1 end if: end do:
    if Nt > 1 then NH := NH+1 end if: end do:
> PH := evalf( NH / NE );
```

$PH := 0.7500000000$ **(6)**

```
>
```