

```
a := Vector[row](21);
```

```
a := [ 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 ] (1)
```

```
a(1) := 1 :
```

```
a(2) := 2 :
```

```
a(3) := 3 :
```

```
for b from 4 to 21 do
```

```
a(b) := a(b - 1) + a(b - 2) + a(b - 3) :
```

```
end do:
```

```
a
```

```
[ 1 2 3 6 11 20 37 68 125 230 423 778 1431 2632 48... ] (2)
```

```
a(1..8)
```

```
[ 1 2 3 6 11 20 37 68 ] (3)
```

```
# interesting mathematical trivia
```

```
# triply recursive sequence of numbers
```