

1 Timeunit To Number of Seconds

the *timeunit* \rightarrow *seconds* operation accepts the following arguments

- A string Scalar of
 - second
 - minute
 - hour
 - day
 - week
 - month
 - year

and returns the corresponding number of seconds

1.1 Formal Definition

The *timeunit* \rightarrow *seconds* operation calculates the number of seconds corresponding to another unit of time

$$timeunit \rightarrow seconds(second) = 1$$

$$timeunit \rightarrow seconds(minute) = 60$$

$$timeunit \rightarrow seconds(hour) = 3600$$

$$timeunit \rightarrow seconds(day) = 86400$$

$$timeunit \rightarrow seconds(week) = 604800$$

$$timeunit \rightarrow seconds(month) = 2629743$$

$$timeunit \rightarrow seconds(year) = 31556926$$