

Key:
{Local high} Highest fib
index in local cache file
{redis high} Current
highest fib calculated
{index} bit count of file
relating string to fib
sequence

Http request with
fib=Length

WebService script

Check to see if Length <
{Local high}

Yes

No

Look up {index} for
{Length}

{Done}
Set

Yes

Is {Length} less than
{redis high}

No

Update {needed} var on
redis, updater will monitor
needed flag and update
cache as needed. Then
set {done} var.

Return error that value is
not yet calculated

Return json to user
reading from cache file
from 0 - {index for length}

Return json message
with error

