

```

1. GET user_num = françois number # O(1)
2. assert user_num == int
3.
4. GET f1 # O(1)
5. assert f1 == int
6. GET f2 # O(1)
7. assert f1 == int
8.
9. seq_index = user_num - 1 # O(1)
10.  assert seq_index is not Null
11.
12.  check_num_1 = f1 # O(1)
13.  check_num_2 = f2 # O(1)
14.
15.  FOR i = 0 ... seq_index - 1 # O(n)
16.      new_num = check_num_1 + check_num_2 # O(1) x O(n) = O(n)
17.      check_num_1, check_num_2 = check_num_2, new_num # O(1) x O(n) = O(n)
18.
19.  PUT check_num_2 O(1)

```

Line#	user_num	f1	f2	seq_index	i	check_num_1	check_num_2	new_num
1	7	/	/	/	/	/	/	/
4	7	2	/	/	/	/	/	/
6	7	2	1	/	/	/	/	/
9	7	2	1	6	/	/	/	/

12	7	2	1	6	/	2	/	/
13	7	2	1	6	/	2	1	/
15	7	2	1	6	0	2	1	/
16	7	2	1	6	0	2	1	3
17	7	2	1	6	0	1	3	3
15	7	2	1	6	1	1	3	3
16	7	2	1	6	1	1	3	4
17	7	2	1	6	1	3	4	4
15	7	2	1	6	2	3	4	4
16	7	2	1	6	2	3	4	7
17	7	2	1	6	2	4	7	7
15	7	2	1	6	3	4	7	7
16	7	2	1	6	3	4	7	11
17	7	2	1	6	3	7	11	11
15	7	2	1	6	4	7	11	11
16	7	2	1	6	4	7	11	18
17	7	2	1	6	4	11	18	18
15	7	2	1	6	5	11	18	18
16	7	2	1	6	5	11	18	29
17	7	2	1	6	5	18	29	29
15	7	2	1	6	6	18	29	29
16	7	2	1	6	6	18	29	47
17	7	2	1	6	6	29	47	47
19	7	2	1	6	6	29	47	47