Puzzle – 23

Q- Man Fell in Well Puzzle

A man fell in a 30 meter deep well, in one day he climbs 4 meters up, and slips 3 meters down. How many days would it take for him, to come out of the well?

My Approach and Solution –

On the first day, man climbs 4 m up and sleeps 3 m down. So, on first day in total, the man climes up only 1 meter.

Similarly, on day 2, he would have climbed 5 meters and slept 3 m down, resulting a total climb of 2 meters at the end of day 2.

On 26th day, he would have climbed 26 meters and on 27th day, he will climb 4 meters again.

So, on 27th day man climbs full 30 meters and need not sleep to climb down.

Therefore, it would take 27 days for the man to climb out of the well.