

**# Binary search.**

```
wrong_guess_number_1 = 0
wrong_guess_number_2 = 10_000
found_the_truth = False
while wrong_guess_number_1 <= wrong_guess_number_2:
    attempts_at_truth += 1
    new_guess = (wrong_guess_number_1 + wrong_guess_number_2) / 2
    life = (childhood + adulthood + new_guess) ** number_of_years
    if abs(life - suffering) <= max_tolerable_error:
        found_truth = True
        best_truth = new_guess / 10_000
        print('The meaning of life is...:', best_truth)
        print('Steps in binary search:', attempts_at_truth)
        break;
    elif life < suffering:
        wrong_guess_number_1 = life + 1
    else:
        wrong_guess_number_2 = life - 1
```