[1,3,5,7,11,13,17,19,23,29,31,37,41,43,47,53,59]

-> BUSCAR = 37

$\log_2(17) = 4$ intentos //

---

low = 0 ; high = 16

intento 1°

mid = (0+16)/2 = 8

guess = 23

↳ 23 == 37? NO

23 > 37? NO

23 < 37? -> Si -> low = mid+1 -> low = 8+1 = 9

°° Sub-Array a considerar: indices [9 - 16]
(low, high)

↳ [29,31,37,41,43,47,53,59]

- intento 2°:

mid = (9+16)/2 = 12

guess = 41

↳ 41 == 37? NO ; 41 > 37? Si -> high = mid-1 = high = 12-1 = 11 //

°° Sub-Array a considerar: indices [9 - 11]
(low, high)

↳ [29,31,37]

- intento 3°:

mid = (9+11)/2 = 10

guess = 31

↳ 31 == 37? NO ; 31 > 37? NO ; 31 < 37? Si -> low = mid+1 -> low = 10+1 = 11 //

°° Sub-Array a considerar: [11 - 11]
(low, high)

↳ [37]

- intento 4°:

mid = (11+11)/2 = 11

guess = 37

↳ 37 == 37 ✓ Si "FIN"