1. n = n-1
2. if it is divisible by 2->n/2
3. if it is divisible by 3->n/3

6 5 4 3 2 1

6 3 2 1

6 3 1

6 2 1

eg

**n=10**

10 5 4 2 1

10 9 3 1

**n=11**

12 6 2 1

12 4 2 1

**n=18**

18 6 2 1

18 9 3 1

**n=21**

21 9 3 1

21 20 10 5 4 2 1

**n=33**

33 11 10 9 3 1

33 32 16 15 5 4 2 1

we need to check for all possibilities and choose best of them

base case

if n=1 return 1

if n=2 return 1//??

if n=3 return 1//??

recurrsive case:

f(n) = 1+ min{f(n-1),f(n/2),f(n/3)}

Recurrive + Memoization (TOP DOWN)

Tabulation (BOTTOM UP)

index = 0 1 2 3 4 5 6 7 8 9 10

dp = 0 0 1 1 2 3 2 3 3 2 3