

2018:8=252 252:8=31 31:8=3 **Răsp: 3742**

16 24 24

== == ==

41 12 7

40 8

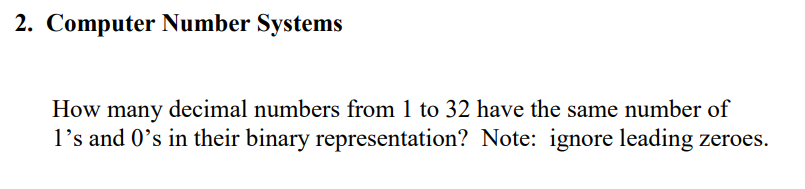
== ==

18 4

16

==

2



3210 = 1000002

Le scriem pe toate și numărăm plecând de la observația că numerele cu număr impar de cifre NU pot da o soluție.

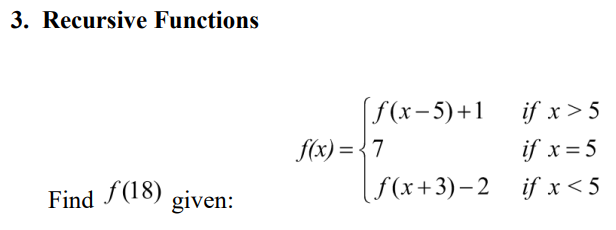
Adică, de fapt trebuie să numărăm doar câte numere de 2 cifre și de 4 cifre binare au același număr de 1 și de 0.

Iată-le:

10

~~1000~~ 1001 1010 ~~1011~~ 1100 ~~1101~~ ~~1110~~ ~~1111~~

**Răspuns: 4**



f(18) = f(13)+1 = 4 **Răspuns: 4**

f(13) = f(8)+1 = 3

f(8) = f(3)+1 = 2

f(3) = f(6)-2 = 1

f(6) = f(1)+1 = 3

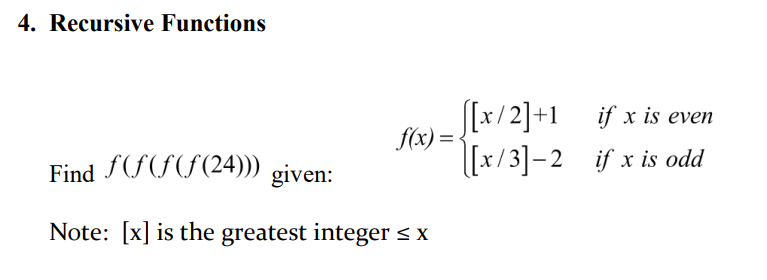
f(1) = f(4)-2 = 2

f(4) = f(7)-2 = 4

f(7) = f(2)+1 = 6

f(2) = f(5)-2 = 5

f(5) = 7



f(f(f(f(24)))) = f(f(f(13))) = f(f(2)) = f(2) = 2 **Răspuns: 2**

f(24) = [24/2]+1=13

f(13) = [13/3]-2= 2

f(2) = [2/2]+1 = 2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | a | b | c | d | e | f | | 2 | ~~1~~  ~~3~~  4 | 0 | ~~3~~  ~~4~~  0 | 4 | ~~10~~  2 |   scrie  2\*2+4\*(0-0)+4/2\*2=  4+4=8  **Răspuns: 8** |