Fundación Jala

A. (No continuo)

Calcular

$a_{1,n} = ?$

$a_{n,1} = ?$

Ejercicio 1: (5, 10)

$n = 5$

$a_{5,1} = 10$

$a_{1,5}$

Tengo n y $a_{n,1}$ para hallar $a_{1,n}$

① $a_{1,5} = 1 \times 5 + 5 \times 10 + 10 + 1 = 5 + 50 + 10 = 65 \times 10$

$= 650$? 1440 ?

$(i \times 1)$ X e

② $n = 4 \quad a_{4,1} = 1$

$a_{1,4} = 1 \times 4 + 9 \times 1 = 8$

B

Number of Objects = 3 ① → 72 ✓

6 ② → 514 ✓

	Price	weight
0	72	17
1	44	23
2	31	24

→ Result = 72

People in the group = 1

Max weight = 26

Caso 2 Number of Object = 6 /

N	P	wt
0	64	26
1	85	22
2	52	4
3	99	18
4	39	13
5	54	9

People = 4

0 = 23

1 = 20

2 = 20

3 = 26

52 + 99 = 151

52 + 54 = 106

52 + 54 = 106

52 + 99 = 151

514

Caso ① (1, 10)

n	longitud del ciclo
1	1
2	2
3	8
4	3
5	6
6	9
7	17
8	4
9	20
10	7

n = 1 longitud ciclo = 1
n = Par → 1 + (n/2)
n = Impar → (3×n+1)

Caso ② (100, 200)

n	longitud
100	—
101	—
102	—
⋮	⋮
200	—

caso 4 (900, 1000

Caso ③

n	longitud
201	
⋮	
240	

Caso ①

1	11
2	10
3	11
4	11

4 caminos

50 | 25 | 10 | 5 | 1

1 = 11
2 1 = 11
1 6 = 11
11 = 11

Para 26

① 25 + 1
② 10 + 10 + 5 + 1 ✓
③ 10 + 5 + 5 + 5 + 1 ✓
④ 10 + 10 + 1 × 6 ✓
⑤ 10 + 5 + 1 × 11
⑥ 10 + 5 + 5 + 1 × 6 ✓
⑦ 10 + 5 + 1 × 11
⑧ 10 + 1 × 16
⑨ 21 × 1 + 5
⑩ 16 × 1 + 5 + 5

⑩ 6 × 1 + 5 × 4
⑫ 5 × 5 + 1

12 caminos