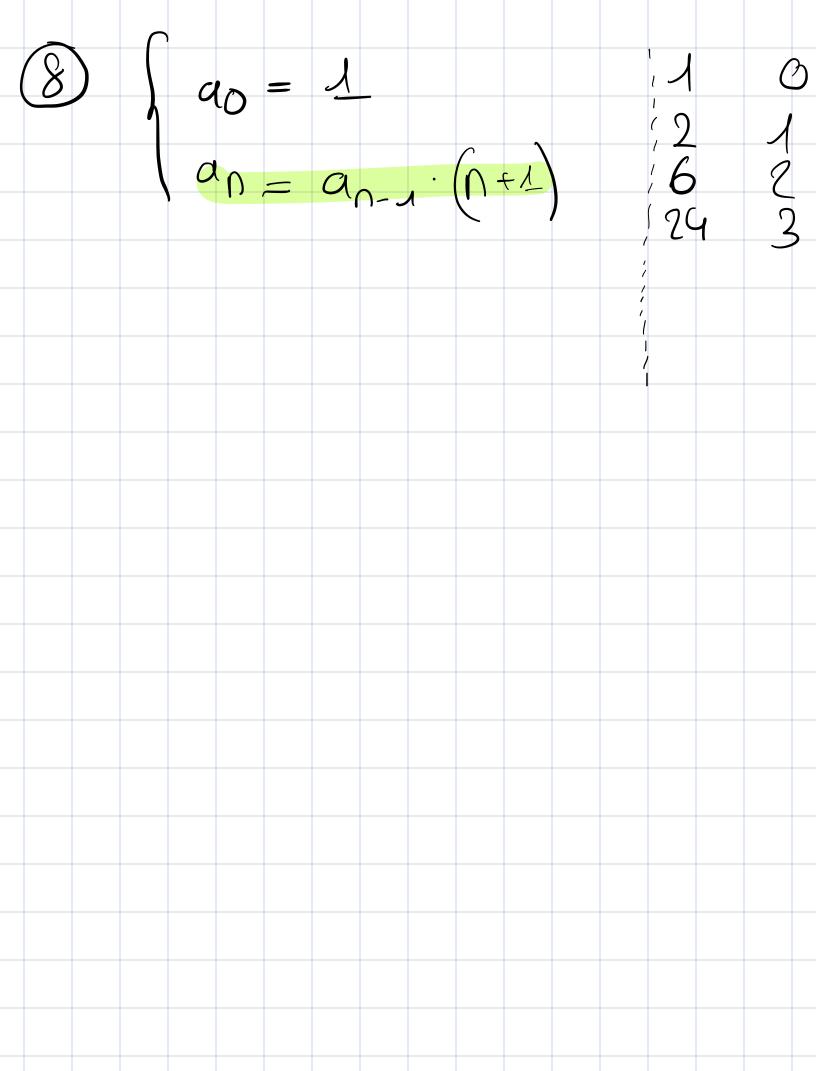
$$\begin{array}{c}
a_0 = 3 \\
a_{n+1} = a_n
\end{array}$$

$$\begin{cases} a_0 = 0 \\ a_{n+1} = a_n + 2 \end{cases}$$

$$\begin{cases}
\alpha_0 = 3 \\
\alpha_{n+1} = \alpha_n + 2
\end{cases}$$

$$\left(\begin{array}{c} a_0 = 1 \\ a_{n+1} = 5 \cdot a_n \end{array} \right)$$

	P					
(+)	$\left(a_{0}\right)$ =	_ 1			1	\ \triangle \tri
					0	ノノ
	an=	an-1	_	- J (3	2
		+ 1+ (-	1)n-2	+3 (<u>2</u>	, 3
1+1-2=				-1	5	4
				+3 (4	5
0+1+2=				-1	+	, 6
3+1-2					6	7
2+1+8					9	8
S + 1 - 7	2 = 4				8	3
						10



Exercice 3

 $a_n = 2.3^n$

0 2

1 (2)-3

2 (2)-3-3

 $a_0 = 3$

1 3 + 2 2 3 + 2 + 2

$$a_0 = 3 + 2 \cdot 0$$

(3)
$$a_n = a_{n-1} + n$$

 $a_0 = 1$

0
$$1$$

1 $1+1=2$
2 $1+1+2=4$
3 $1+1+2+3=7$
4 $1+1+2+3+4=11$
5 $1+1+2+3+4+5=16$

$$a_{1} = \frac{1}{2}$$

$$a_{2} = 3$$

$$a_{3} = 6$$

$$a_{4} = 10$$

$$\begin{array}{c}
a_n = a_{n+1} + 2n + 3 \\
a_0 = a_0
\end{array}$$

0 4 1 + 2.1 + 3 = 9 2 + 2.1 + 3 + 2.2 + 3 = 16 3 + 2.1 + 3 + 2.2 + 3 + 2.3 + 3 = 164 + 2(1 + 2 + 3) + 3.(3) 2S

$$a_n = u + 2\left(\frac{n(n+1)}{2}\right) + 3 \cdot n$$

(5)
$$\int a_n = 2a_{n-1} - 1$$

 $a_0 = 1$
0 1
1 2 1
2 2(2.1-1)-1 = 1
2 2(2(2.1-1)-1)-1 = 1

6
$$a_{n} = 3a_{n-1} + 1 \quad a_{0} = 1$$

0 1

1 $3 \cdot 1 + 1 = 4$

2 $3(3 \cdot 1 + 1) + 1 = 13$

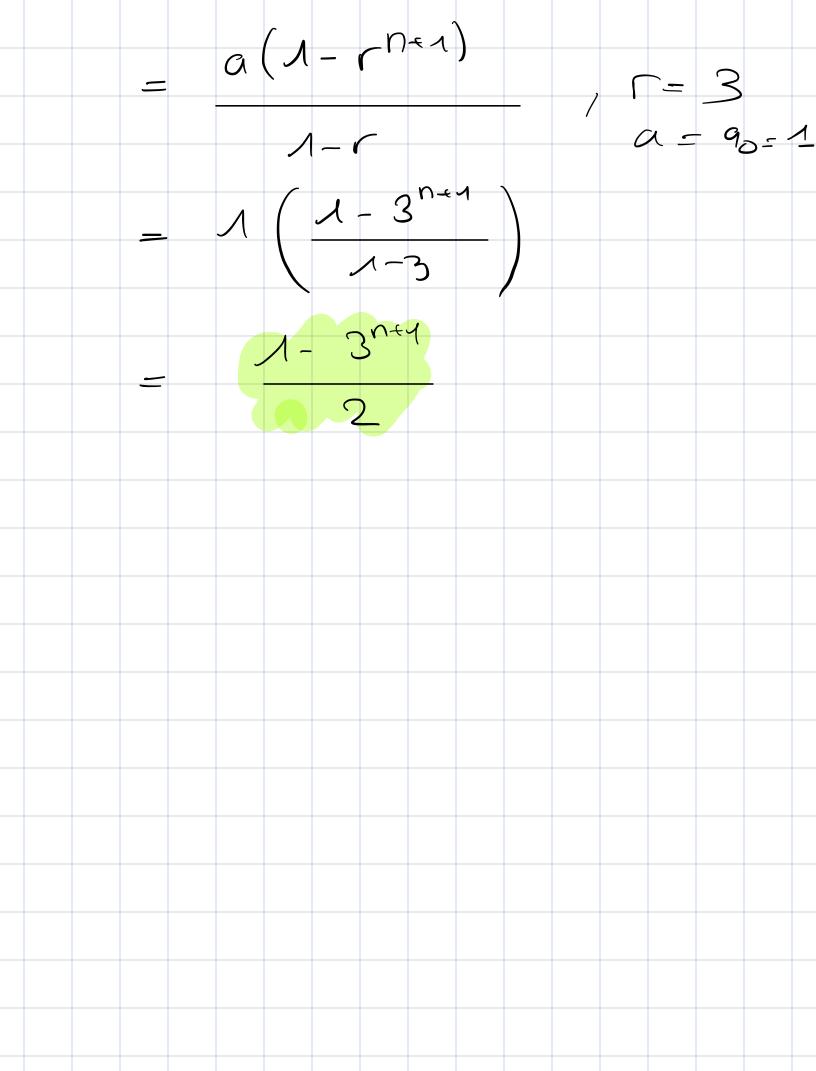
3 $3(3(3+1) + 1) + 1 = 40$

= $3(3(3+1)) + 3 \cdot 1$

4 $3 \cdot 4 \cdot 3 \cdot 4 \cdot 3 \cdot 1$

4 $3 \cdot 4 \cdot 3 \cdot 4 \cdot 3 \cdot 4 \cdot 1$

4 $3 \cdot 4 \cdot 3 \cdot 4 \cdot 3 \cdot 4 \cdot 1$



(8)
$$(a_n = 2na_{n-1})$$

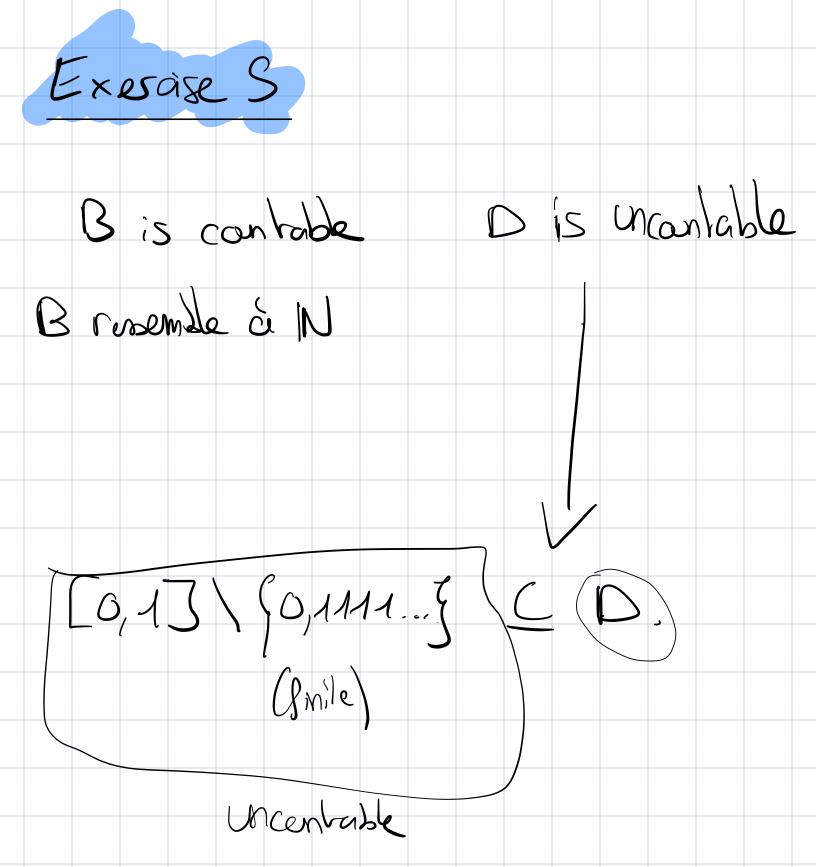
 $(a_0 = 1)$
 $(a_0$

Exercise 4

$$\begin{array}{c} (1) \\ (20) \\ (3) \\ (40)$$

$$\begin{array}{c|c} (2) & a_0 = 100 \\ \hline \end{array}$$

$$a_{10} = 3^{10} - 100$$



Exercise 6

$$a_0 = 1$$
 $a_1 = 1/2$
 $a_2 = 1/3$
 $a_3 = 1/4$

44 644 9444 Exercise 7

Or associe les nb
$$(a.b)k d$$

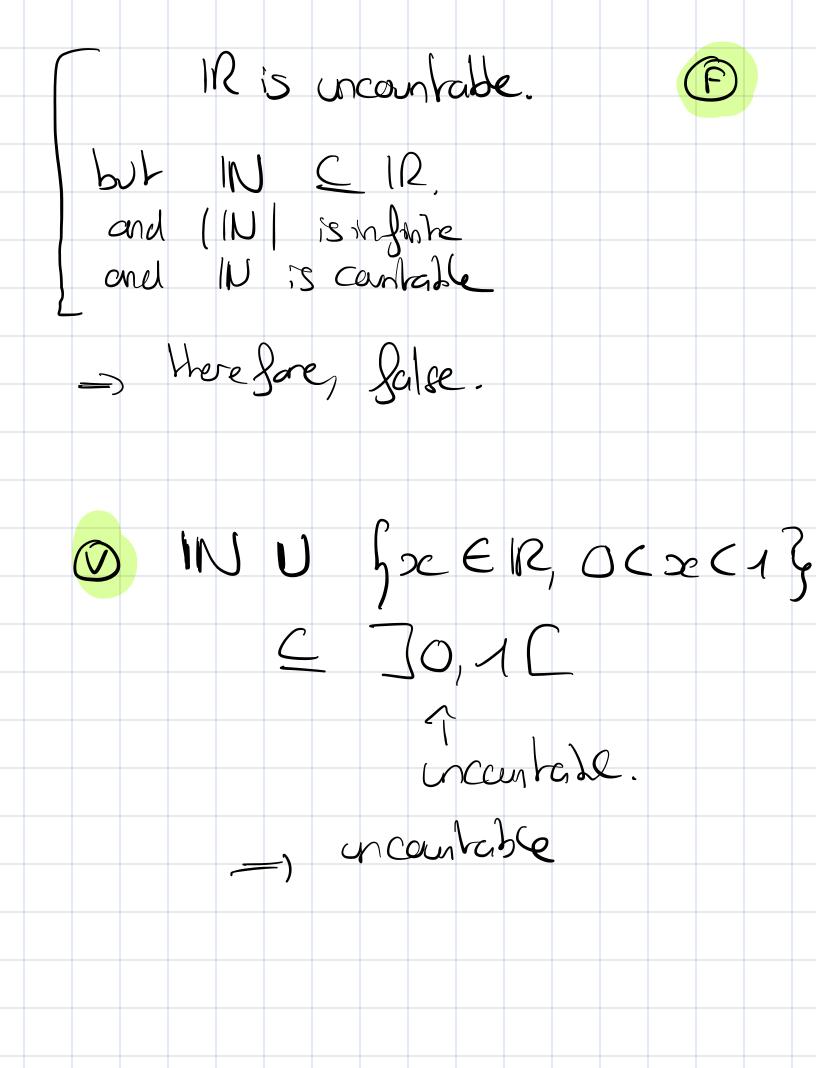
$$(a.b)k d$$

$$(a.b)k+1 d$$

$$(a.b)c + (a.b)c + (a.b)c$$

$$(a,a) (b,a) (c,d)$$

$$(a,a) (b,e) (c,d)$$



A) set of real numbers B set of real numbers with only irrahenal and whegers. ANB

Set of integers

