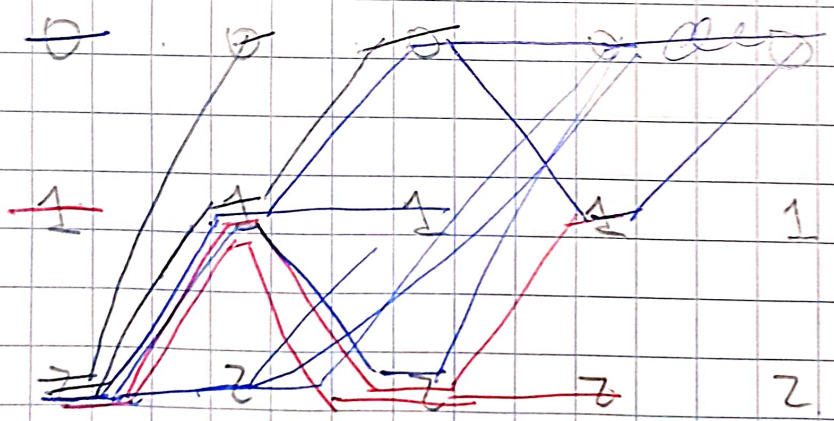
Erinson Barroso

$X = \{0, 1, 2\}$.

$$A: \sum_{S} r^{-l_i} \leq 1 = \left(\frac{1}{3^2}\right) + \left(\frac{1}{3^5}\right) + \left(\frac{1}{3^1}\right) + \left(\frac{1}{3^3}\right) + \left(\frac{1}{3^4}\right) +$$

$$+ \left(\frac{1}{3^1}\right) + \left(\frac{1}{3^4}\right) + \left(\frac{1}{3^4}\right) + \left(\frac{1}{3^4}\right) + \left(\frac{1}{3^3}\right).$$

$$= \frac{220}{243} \approx 0.905 \leq 1.$$



S_i	A
S_0	0
S_1	1.
S_2	2 0
S_3	2 1 0
S_4	2 1 1.
S_5	2 1 2 0
S_6	2 1 2 1.
S_7	2 1 2 2
S_8	2 0 0 0
S_9	2 2 0 1 0.

longitud
1 = 2
2 = 1.
3 = 2
4 = 4
5 = 1.

l_i	A	
	0	$n_1 = 2$.
1	1	$n_1 \leq 3$
		$n_2 = 1$.
2	20	$n_2 \leq (r - n_1)r = (3-3)3 = n_2 \leq 3$.
	210	$n_3 = 2$.
3	211.	$n_3 \leq ((r-n_1)r - n_2)r \quad n_3 \leq 6$.
	2120	$n_4 = 4$.
4	2121.	
	2122	
	2200	
		$n_5 = 1$.
5	22010.	