Exemplo3: Código de Huffman											
a) 53-s Símbel	89	aaa	aal	ala	loaa	blolo	lolea	leale	alolo		
Phobali	lidade	729	81 103	<u>81</u> 10 <sup>3</sup>	81	103	9 103	9	9 103		
Probabilistade $\frac{729}{10^3}$ $\frac{81}{10^3}$ $\frac{81}{10^3}$ $\frac{81}{10^3}$ $\frac{81}{10^3}$ $\frac{9}{10^3}$ $\frac{9}{10^$											
aaa 729/103_	-> 729/1	03	+ 729/10	3	+ 729/11	)3	, 729/10 <sup>3</sup>		929/10 <sup>3</sup> —	274/10 <sup>3</sup>	
ada 729/103	→ 81/10	)3	- 81/10 <sup>3</sup>		-> 81/10³		+ 109/10 <sup>3</sup>	0	109/103 1		-
aba 81/103 —	-h 9111	03	\$2/10	3	→ 81/10°	3	81/103	1			
					01/1	03 0	Loog	o, temo			
baa 81/103	→ 87/7	03	81/1	03 0	28/1	037	ooa	, 0			
loba 9/103	↓ 40/3	03	<u> </u>	103 1				_ 1			
2000 3/10	9/10						baa	, -> ]	100		
Dal 3/103	0 9/11	031					bba	> 1	1100		
							leal	→ 1	1101		
abl 9/103 0							abl	, -> 1	1110		
	_						bbl	· -> 1	1111		
bblo 1/103 1											1

\* Cálculo da eficiência:  

$$H(s^3) = 3 \times H(s) = 3 \times \left[ \frac{9}{10} \times \log_2 \frac{1}{(9/10)} + \frac{1}{10} \times \log_2 \frac{1}{(4/10)} \right] = 3 \times 0,469 = 1,407$$

$$L_3 = 1 \times \frac{729}{10^3} + 3 \times \left( 3 \times \frac{81}{10^3} \right) + 3 \times \left( 5 \times \frac{9}{10^3} \right) + 5 \times \frac{1}{10^3} = \frac{1598}{10^3} = 1,598$$

$$N = \frac{1,407}{1,598} = 0,8805 \times 100\% = 88,05\%$$