$$\frac{1-b^{x}}{1-b} + b^{x} \times \frac{(1-b)}{1-b}$$

$$= 1 - b^{K} + b^{K} - b^{K+1}$$

5.2 8 4 2 1 Hex Binary Dec a) 48 = 01001000 - 72 65 = 01100101 = 101 6c = 01101100 = 108 3 66 = 01101100 = 108 6f = 01101111 = 111 20 = 0010 0000 = 32 fo = 11110000 = 240 9f = 10011111 = 159 8c = 1000 1100 = 140 10 1 8d = 10001101 = 141 21 = 00100001 = 33 11 B 0a = 0000 1010 = 10 12 C 14 E 48,65,6c,6c,6f,20,fo,9f,8c,8d15 F 21, Oa. Decimal 72 101 108 108 111 32 240 159 140 141 33 10 ASUI H Be 6 6 0 SP = f ? i ! nh Hello []! + newline. 1

3

3

3

2

3

9	Single character is used for newline
	dec Mex Name description
	10 0A LF new line.
	ligne end conventions.
	- 'n' escape character
	- 'Ir' setern in Mac OS (carriage Beturn)
	- 'Ir)n' Eard of line sequence
74 1	