7	A sequence has terms u_1, u_2, u_3, \dots defined by $u_1 = 2$ and $u_{n+1} = 1$ u_n for $n \ge 1$.	
	(a) Find the values of u_2 , u_3 and u_4 .	[2]

A sequence has terms $u_1u_2u_3$ defined by $u_1=2$ and $u_2=1-\frac{1}{2}$ for $n\geq 1$

(b)	Describe the behaviour of the sequence.	[1

(c) Given that $\sum_{n=1}^{k} u_n = 73$, determine the value of k.