2 Diagonalization

Suppose	ere is a list for all infinite binary sequences that are in	
humber	0.1-1	
b,	10111101	
ps	1010111	
b 3	101110111	
64		
65	1 1 1 0 1 0 1 1 1	
66	101011101	
we we	even position columns to form a second textle	
even pasition		
humber	2 4 6 8	
Ь,	0-1110	
b2	0 0-11 1	
b3	0 1 0-11 For all n. Le house	
64	1 1 1 10 Dan) + bn(2n), th	one-fore
1 14	. Historia hale last D+ he an infinite D+ bn for any n i	in this
1	y Flipping mile, let D to be bing the list, So this list; by (2n) = 0 Set D(2n)=1	S
	heamplete	
	=) thus.	
So (0	el then set Dcam+1)=1 where m>0, mEZ B: [x: xis a	
t	nake odd position of D to be all I birary sequences	
	D is a number that is in set B One I in odd	
	is uneventa	