Consider the following characteristic matrix of two sets: S1 and S2.

Row#	S1	52	h(Row)
0	1	0	2.
1	1	1	3
2	1	1	4
3	0	1	2
4	1	1	6
5	1	0	0
6	0	1	1

5. [2 points] Suppose the hash function that determines the permutation is: h1(x) = (x + 2) mod 7.
What is the characteristic matrix after the permutation?

	SI	Sz
0	1	0
1	0	
2	1	0
3	18	21
4	1	1.0
7	0	T
6	1	
	06	



6. [2 points] What are the minhash values of S1 and S2 based on the permutation using h1(x)?