7. (5 points) The string mississippi is transformed by Burrows-Wheeler transform into the string smspipissii. Fill in the table below with the columns which allow the recovery of the original string. Explain briefly how you can find the columns, starting from the last one, then the second last, and so on to the first.

1	i	S
2	i	m
3	i	s
4	i	p
5	m tall a m	i
6	p	p
7	p	i
8	s	s
9	s	8
10	s	i
11	s	i

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