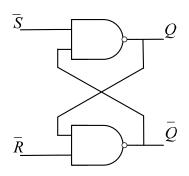
Q19. The figure shows an RS flip-flop using two NAND gates. Which of the following is the correct truth table for the flip-flop? Here, "unchanged" shown in the table means the outputs maintain a previous state, and "unstable" means the outputs are in an unstable state.



	`
2	١
а	. ,
••	,

··)			
Input		Output	
\overline{S}	\overline{R}	Q	$\overline{\overline{Q}}$
0	0	unchanged	
0	1	0	1
1	0	1	0
1	1	unstable	

1	,
h	
U	,
_	

١.	0)			
	Input		Output	
	\overline{S}	\overline{R}	Q	$\overline{\overline{Q}}$
	0	0	unchanged	
	0	1	1	0
	1	0	0	1
	1	1	unstable	

c)

0)			
Input		Output	
\overline{S}	\overline{R}	Q	\overline{Q}
0	0	unstable	
0	1	0	1
1	0	1	0
1	1	unchanged	

ď

d)				
	Input		Output	
	\overline{S}	\overline{R}	Q	$\overline{\overline{Q}}$
	0	0	unstable	
	0	1	1	0
	1	0	0	1
	1	1	unchanged	