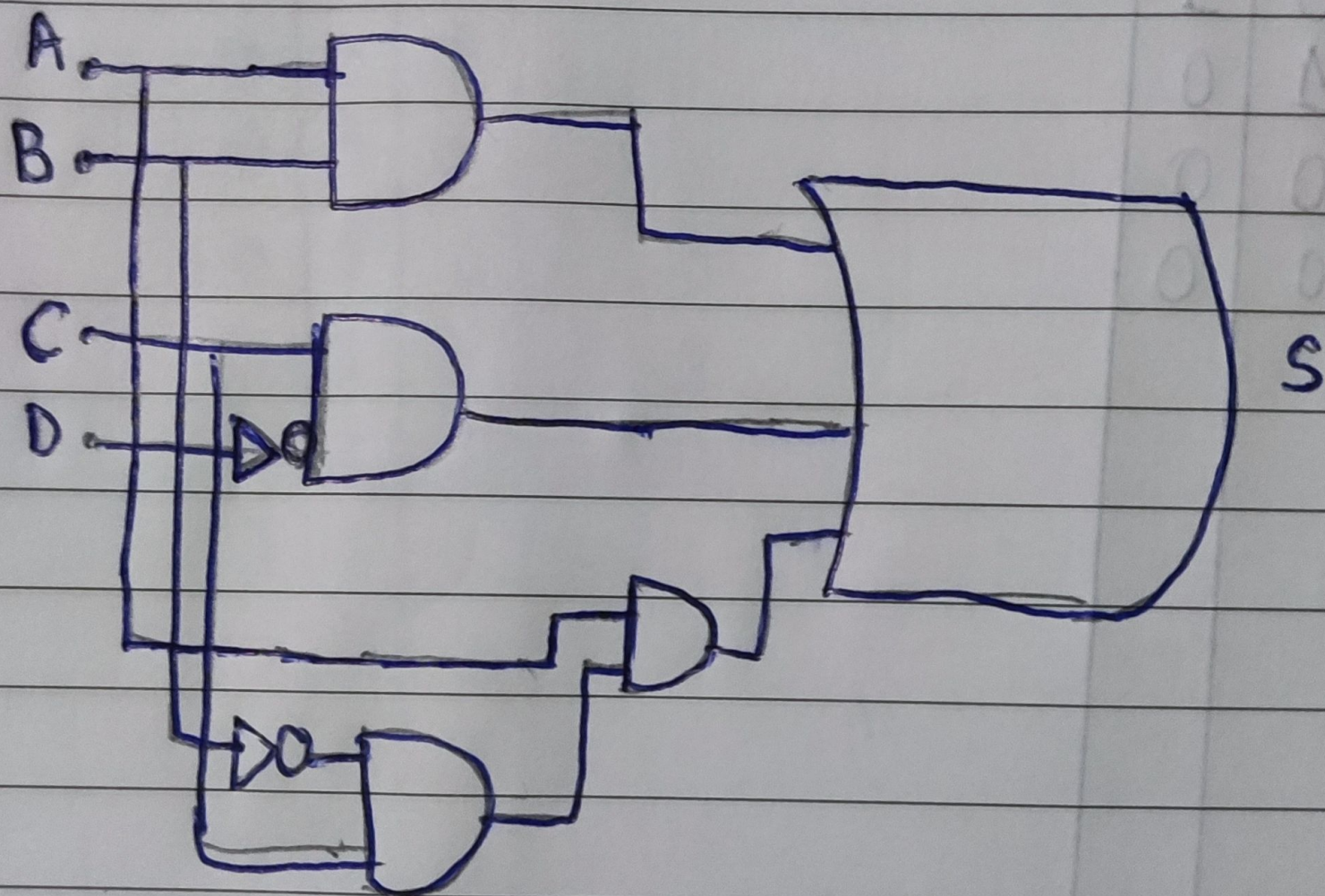


$$S = (A * B) + (C * \bar{D}) + (A * (\bar{B} * C))$$

1)



A	B	C	D	S
---	---	---	---	---

0	0	0	0	0
---	---	---	---	---

0	0	0	1	0
---	---	---	---	---

0	0	1	0	1
---	---	---	---	---

0	0	1	1	0
---	---	---	---	---

0	1	0	0	0
---	---	---	---	---

0	1	0	1	0
---	---	---	---	---

0	1	1	0	1
---	---	---	---	---

0	1	1	1	0
---	---	---	---	---

1	0	0	0	0
---	---	---	---	---

1	0	0	1	0
---	---	---	---	---

1	0	1	0	1
---	---	---	---	---

1	0	1	1	1
---	---	---	---	---

1	1	0	0	1
---	---	---	---	---

1	1	0	1	1
---	---	---	---	---

1	1	1	0	1
---	---	---	---	---

1	1	1	1	1
---	---	---	---	---

	\bar{C}	C	
\bar{A}	1	0	\bar{B}
A	1	0	B
	\bar{D}	D	\bar{B}

Q_1 (pointing to \bar{C})
 D_1 (pointing to D)
 OTTAVA (pointing to \bar{B})

$$S = \bar{D} + (\bar{B} \cdot C \cdot A) + (\bar{C} + B)$$

