

## CS2100 Tutorial 9

AY 24/25 Sem 2 — github/omgeta

Q1. (a.)  $TA = (A' + B)' = A \cdot B'$ ,  $DB = A' + B$

<b>A</b>	<b>B</b>	<b>p</b>	<b>TA</b>	<b>DB</b>	<b>A+</b>	<b>B+</b>
0	0	1	0	1	0	1
0	1	0	0	1	0	1
1	0	0	1	0	0	0
1	1	1	0	1	1	1

(b.) After 3 cycles, we are at state 1 with output 100

(c.) Sinks: states 1 and 3

(d.) State 3