

Name

Student Number

Consider the following executions:

1.  $w_1[x] w_2[x] r_1[x] a_2 c_1$   
 $T_1 \xrightarrow{w_2} T_2$   
 ~~$T_1 T_2$~~
2.  $w_1[x] w_1[y] r_2[x] w_2[z] w_1[z] c_2 c_1$   
 $T_1 \xrightarrow{w_2} T_2$   
 ~~$T_1 T_2$~~
3.  $w_1[x] w_1[y] r_2[y] w_2[z] c_2 a_1$   
 $T_1 \xrightarrow{w_2} T_2$   
 ~~$T_1 T_2$~~
4.  $r_1[x] w_2[x] r_1[y] w_2[x] c_1 c_2$   
 $T_1 \xrightarrow{w_2} T_2$
5.  $r_2[x] w_2[x] c_2 r_1[y] w_1[z] a_1$   
 $T_1, T_2$
6.  $w_1[x] r_2[x] c_1 w_2[x] w_3[z] c_3$   
 $T_1, T_2$
7.  $r_3[x] w_1[x] w_2[y] r_3[y] c_2 c_1 c_3$   
 $T_1 \xrightarrow{w_2} T_2$
8.  $r_1[x] w_2[x] r_2[y] r_1[y] a_1 a_2$   
 $T_1 \xrightarrow{w_2} T_2$

For each execution above and for each class of execution or scheduler below, decide if that execution is within the given class or can be generated by the given type of scheduler. Please place a tick or a cross in each box accordingly.

	1	2	3	4	5	6	7	8
Recoverable	X	X	X	✓	✓	✓	✓	✓
Avoids cascading aborts	X	X	X	✓	✓	X	X	✓
Strict	X	X	X	✓	✓	X	X	✓
Serial	X	X	X	X	✓	X	X	X
Conflict serialisable	✓	X	✓	✓	✓	✓	✓	✓
View serialisable	✓	X	✓	✓	✓	✓	✓	✓
(Basic) 2PL	X	X	✓	✓	✓	✓	X	✓