

The tasks described in the table below are run on an otherwise empty system having a quantum of 11 ms and is not task preemptive.

Task Name	Creation Time / ms	Round 1 Priority	Round 2 Class	Run Time / ms
A	0	1	N/A	20
B	10	1	N/A	20
C	20	1	N/A	20
D	30	2	1	20
E	40	2	2	20
F	50	2	3	20

The OS performs multiround scheduling with a priority policy at round 1 and a FCFS or a round-robin policy in round 2 such that priority 1 tasks from round 1 are scheduled using FCFS in round 2 and priority 2 tasks from round 1 are scheduled using round robin in round 2. The round robin classes are (1, 2, 3). None of the tasks perform I/O. Show the state of each task and the CPU from $t = 0$ until the last task finishes. Do not show time spent in privileged mode (assume it is infinitesimal).