

*Duration (Hours)*

<i>JOB</i>	<i>MACH 1</i>	<i>MACH 2</i>	<i>MACH 3</i>	<i>MACH 4</i>
A	3	1	11	13
B	3	10	13	1
C	11	8	15	2
D	5	7	7	9
E	7	3	21	4

Consider the following jobs and their processing times at corresponding machines:

*Duration (hours)*

	<i>MACH 1</i>	<i>MACH 2</i>	<i>MACH 3</i>
<i>JOB</i>	$t_{i1}$	$t_{i2}$	$t_{i3}$
A	13	5	9
B	5	3	7
C	6	4	5
D	7	2	6

Using Johnson's rule, find the optimal sequence.