

Value 1	Value 2	Value 3
$\alpha$	$\beta$	$\gamma$
A	1110.1	a wtf
B	10.1	b
C	23.113231	c

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## OS 2022 Problem Sheet #6

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Course: CO-562 Operating Systems – Professor: Dr. Jurgen Schonwalder  
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### Problem 6.1: scheduling strategies

A computer system with a single CPU has to execute  $n = 6$  processes A, ... , F . The arrival times and the execution times of the processes are given by the following table

a) Draw the schedule for the scheduling strategies first-come first-served (FCFS), shortest processing time first (SPTF), longest processing time first (LPTF), and round robin (RR) with a time slice of 1 time unit. Assume that arrivals happen before a scheduling point and that new processes are added at the end of the run queue.

b) For each schedule, calculate the average turnaround time  $t$  and the average waiting time  $w$ .

**Answer.**