

### Answer on Question#39206 - Math - Other

On a system using round robin scheduling there is only one process of  $r$  time units. Round robin time quantum is  $q$ , process switch time is  $s$ . If  $s < q < r$  then what is process switch overhead?

#### Solution

Since  $q < r$ , run of  $r$  requires  $\frac{r}{q}$  process switches, resulting in overhead of  $\frac{sr}{q}$ .