

## 第九章作业

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### 9.1

a

1	1	2	2	1	1	1	4	4	4	4	3	3	3	3	3	3	3	3	3
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表 1: SRT

1	1	2	2	3	3	4	4	4	4	3	3	3	3	3	3	3	3	1	1	1
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表 2: priority

1	1	1	2	2	3	3	3	4	4	4	1	1	3	3	3	3	4	3	3	3
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表 3: round robin

b

- SRT:  $t = \frac{20+10+70}{4} = 25(ms)$
- priority:  $t = \frac{30+70+10}{4} = 27.5(ms)$
- round robin:  $t = \frac{10+70+20+70}{4} = 42.5(ms)$

### 9.16

表 4: 时间片轮转

进程	周转时间	平均周转时间
a	75	
b	45	
c	15	
d	30	
e	60	$\frac{45+35+13+26+42}{5} = 32.2$

表 5: 优先级

进程	周转时间	平均周转时间
a	36	
b	9	
c	39	
d	45	
e	21	$\frac{36+9+39+45+21}{5} = 30$

表 6: 先来先服务

进程	周转时间	平均周转时间
a	15	
b	24	
c	27	
d	33	
e	45	$\frac{15+24+27+33+45}{5} = 28.8$

表 7: 最短优先

进程	周转时间	平均周转时间
a	45	
b	18	
c	3	
d	9	
e	30	$\frac{45+48+3+9+30}{5} = 21$