

**Baseline : New Scanners**

<i>Resource</i>	<i>Unit Time</i>	<i>Capacity / hour</i>	<i># of resources</i>	<i>Total Cap / hour</i>	<b><i>Process Capacity</i></b>	<i>Utilization</i>
Nurse	14.00	4.29	1.00	4.29		100.00
Tech	6.50	9.23	1.00	9.23		46.43
Scanner	6.50	9.23	1.00	9.23		46.43
					<b>4.29</b>	
<b>Profit / hour</b>	=	<i>Revenue / hour</i>		<i>Cost /hour</i>	=	
		2142.86	-	299.29		<b>1843.57</b>

**Scenario A : Hire an additional nurse**

<i>Resource</i>	<i>Unit Time</i>	<i>Capacity / hour</i>	<i># of resources</i>	<i>Total Cap / hour</i>	<b><i>Process Capacity</i></b>	<i>Utilization</i>
Nurse	14.00	4.29	2.00	8.57		100.00
Tech	6.50	9.23	1.00	9.23		92.86
Scanner	6.50	9.23	1.00	9.23		92.86
					<b>8.57</b>	
<b>Profit / hour</b>	=	<i>Revenue / hour</i>		<i>Cost /hour</i>	=	
		4285.71	-	563.57		<b>3722.14</b>

**Scenario B : Shorten nursing tasks**

<i>Resource</i>	<i>Unit Time</i>	<i>Capacity / hour</i>	<i># of resources</i>	<i>Total Cap / hour</i>	<b><i>Process Capacity</i></b>	<i>Utilization</i>
Nurse	11.00	5.45	1.00	5.45		100.00
Tech	6.50	9.23	1.00	9.23		59.09
Scanner	6.50	9.23	1.00	9.23		59.09
					<b>5.45</b>	
<b>Profit / hour</b>	=	<i>Revenue / hour</i>		<i>Cost /hour</i>	=	
		2727.27	-	357.73		<b>2369.55</b>

**Scenario C: Move 4 minutes of tasks from nurse to tech**

<i>Resource</i>	<i>Unit Time</i>	<i>Capacity / hour</i>	<i># of resources</i>	<i>Total Cap / hour</i>	<b><i>Process Capacity</i></b>	<i>Utilization</i>
Nurse	10.00	6.00	1.00	6.00		71.43
Tech	10.50	5.71	1.00	5.71		75.00
Scanner	6.50	9.23	1.00	9.23		46.43
					<b>5.71</b>	
<b>Profit / hour</b>	=	<i>Revenue / hour</i>		<i>Cost /hour</i>	=	
		2857.14	-	370.71		<b>2486.43</b>