

$(2 \times 1000) + (5 \times 100) + (6 \times 10) + (1 \times 1)$	<b>4135</b>
<i>Start</i>	<b>8206</b>
$1000 + 900 + 10 + 3$	<b>7612</b>
$(6 \times 1000) + (1 \times 100) + (9 \times 1)$	<b>2873</b>
$(8 \times 1000) + (5 \times 100) + (1 \times 10) + (7 \times 1)$	<b>3696</b>

$4000 + 100 + 30 + 5$	<b>1913</b>
$8000 + 200 + 6$	<b>2561</b>
$(7 \times 1000) + (6 \times 100) + (1 \times 10) + (1 \times 2)$	<b>6109</b>
$2000 + 800 + 70 + 3$	<b>8517</b>
$(3 \times 1000) + (6 \times 100) + (9 \times 10) + (6 \times 1)$	<b>7140</b>

$7000+100+40$	<b>4017</b>
$(7 \times 1000) + (4 \times 100) + (9 \times 10) + (9 \times 1)$	<b>5812</b>
$8000+200+30+4$	<b>6715</b>
$3000+400+10+8$	<b>9097</b>
$4000+900+80$	<b>1505</b>

$4000+10+7$	<b>7499</b>
$(5 \times 1000) + (8 \times 100) + (1 \times 10) + (2 \times 1)$	<b>8234</b>
$(6 \times 1000) + (7 \times 100) + (1 \times 10) + (5 \times 1)$	<b>3418</b>
$(9 \times 1000) + (9 \times 10) + (7 \times 1)$	<b>4980</b>
$(1 \times 1000) + (5 \times 100) + (5 \times 1)$	<b>Finish !</b>