

Table 1: Result of *ABC\_VRPSTW* for Problem Instances R1-01 to R1-06  
(Number of Customer = 200)

Problem Instances	Result Type	Plan: 1	Plan: 2	Plan: 3
<b>R1_01</b> (V = 19)	<i>avg</i>	TTC = 681.124,%WB = 19	TTC = 669.418,%WB = 21	TTC = 652.823,%WB = 25
	<i>min</i>	TTC = 644.338,%WB = 25	TTC = 643.844,%WB = 26	TTC = 636.789,%WB = 25
	<i>max</i>	TTC = 702.832,%WB = 26	TTC = 693.547,%WB = 20	TTC = 685.425,%WB = 23
	<i>med</i>	TTC = 683.832,%WB = 20	TTC = 663.547,%WB = 20	TTC = 685.425,%WB = 27
<b>R1_02</b> V = 17)	<i>avg</i>	TTC = 722.164,%WB = 30	TTC = 717.936,%WB = 29	TTC = 696.48,%WB = 28
	<i>min</i>	TTC = 703.958,%WB = 26	TTC = 643.844,%WB = 26	TTC = 694.13,%WB = 26
	<i>max</i>	TTC = 727.824,%WB = 31	TTC = 716.721,%WB = 27	TTC = 708.784,%WB = 30
	<i>med</i>	TTC = 725.824,%WB = 31	TTC = 716.721,%WB = 28	TTC = 690.784,%WB = 26
<b>R1_03</b> (V = 13)	<i>avg</i>	TTC = 714.515,%WB = 15	TTC = 707.656,%WB = 18	TTC = 698.291,%WB = 19
	<i>min</i>	TTC = 708.006,%WB = 17	TTC = 699.975,%WB = 14	TTC = 691.056,%WB = 14
	<i>max</i>	TTC = 748.078,%WB = 22	TTC = 724.692,%WB = 18	TTC = 700.774,%WB = 17
	<i>med</i>	TTC = 711.854,%WB = 12	TTC = 710.7,%WB = 19	TTC = 697.487,%WB = 19
<b>R1_04</b> (V = 9)	<i>avg</i>	TTC = 679.332,%WB = 16	TTC = 667.449,%WB = 16	TTC = 651.992,%WB = 12
	<i>min</i>	TTC = 674.069,%WB = 13	TTC = 661.496,%WB = 15	TTC = 647.448,%WB = 11
	<i>max</i>	TTC = 682.901,%WB = 17	TTC = 672.286,%WB = 16	TTC = 655.237,%WB = 13
	<i>med</i>	TTC = 679.824,%WB = 16	TTC = 665.721,%WB = 15.5	TTC = 654.784,%WB = 12.5
<b>R1_05</b> (V = 14)	<i>avg</i>	TTC = 701.436,%WB = 28	TTC = 675.641,%WB = 27	TTC = 668.436,%WB = 29
	<i>min</i>	TTC = 694.533,%WB = 28	TTC = 678.493,%WB = 30	TTC = 657.779,%WB = 29
	<i>max</i>	TTC = 702.281,%WB = 27	TTC = 683.516,%WB = 27	TTC = 678.84,%WB = 29
	<i>med</i>	TTC = 705.428,%WB = 28.5	TTC = 671.127,%WB = 27	TTC = 665.784,%WB = 28.5
<b>R1_06</b> (V = 12)	<i>avg</i>	TTC = 700.081,%WB = 24	TTC = 679.25,%WB = 21	TTC = 677.547,%WB = 25
	<i>min</i>	TTC = 696.176,%WB = 25	TTC = 677.948,%WB = 20	TTC = 668.798,%WB = 23
	<i>max</i>	TTC = 703.674,%WB = 21	TTC = 687.02,%WB = 23	TTC = 686.62,%WB = 26
	<i>med</i>	TTC = 701.824,%WB = 24	TTC = 670.127,%WB = 20	TTC = 680.784,%WB = 25

Table 2: Result of ABC\_VRPSTW for Problem Instances R1-07 to R1-12  
(Number of Customer = 200)

Problem Instances	Result Type	Plan: 1	Plan: 2	Plan: 3
<b>R1_07</b> (V = 10)	<i>avg</i>	TTC = 679.379,%WB = 20	TTC = 671.102,%WB = 19	TTC = 655.464,%WB = 19
	<i>min</i>	TTC = 671.102,%WB = 19	TTC = 660.319,%WB = 16	TTC = 651.059,%WB = 17
	<i>max</i>	TTC = 689.657,%WB = 22	TTC = 674.282,%WB = 17	TTC = 661.133,%WB = 19
	<i>med</i>	TTC = 680.542,%WB = 19.5	TTC = 675.09,%WB = 19.5	TTC = 660.784,%WB = 19
<b>R1_08</b> (V = 9)	<i>avg</i>	TTC = 676.758,%WB = 14	TTC = 653.939,%WB = 11	TTC = 641.549,%WB = 12
	<i>min</i>	TTC = 670.514,%WB = 13	TTC = 652.587,%WB = 14	TTC = 638.095,%WB = 11
	<i>max</i>	TTC = 679.112,%WB = 14	TTC = 657.838,%WB = 15	TTC = 649.47,%WB = 12
	<i>med</i>	TTC = 677.564,%WB = 14	TTC = 645.70,%WB = 10	TTC = 645.04,%WB = 11.5
<b>R1_09</b> (V = 11)	<i>avg</i>	TTC = 685.252,%WB = 23	TTC = 676.01,%WB = 25	TTC = 662.624,%WB = 27
	<i>min</i>	TTC = 687.587,%WB = 25	TTC = 670.828,%WB = 26	TTC = 659.515,%WB = 26
	<i>max</i>	TTC = 702.56,%WB = 30	TTC = 684.322,%WB = 27	TTC = 666.793,%WB = 26
	<i>med</i>	TTC = 690.004,%WB = 23.5	TTC = 667.721,%WB = 24.5	TTC = 666.784,%WB = 27
<b>R1_10</b> (V = 10)	<i>avg</i>	TTC = 714.515,%WB = 15	TTC = 707.656,%WB = 18	TTC = 698.291,%WB = 19
	<i>min</i>	TTC = 708.006,%WB = 17	TTC = 699.975,%WB = 14	TTC = 691.056,%WB = 14
	<i>max</i>	TTC = 748.078,%WB = 22	TTC = 724.692,%WB = 18	TTC = 700.774,%WB = 17
	<i>med</i>	TTC = 715.4,%WB = 15	TTC = 706.001,%WB = 27	TTC = 690.784,%WB = 18
<b>R1_11</b> (V = 10)	<i>avg</i>	TTC = 685.646,%WB = 25	TTC = 661.361,%WB = 23	TTC = 641.486,%WB = 20
	<i>min</i>	TTC = 672.439,%WB = 22	TTC = 658.587,%WB = 21	TTC = 637.658,%WB = 21
	<i>max</i>	TTC = 686.943,%WB = 24	TTC = 671.623,%WB = 25	TTC = 646.726,%WB = 20
	<i>med</i>	TTC = 690.248,%WB = 25.5	TTC = 666.721,%WB = 23.5	TTC = 640.784,%WB = 20
<b>R1_12</b> (V = 9)	<i>avg</i>	TTC = 714.515,%WB = 15	TTC = 651.255,%WB = 12	TTC = 646.211,%WB = 14
	<i>min</i>	TTC = 708.006,%WB = 17	TTC = 649.683,%WB = 13	TTC = 644.144,%WB = 12
	<i>max</i>	TTC = 748.078,%WB = 22	TTC = 655.235,%WB = 15	TTC = 647.834,%WB = 17
	<i>med</i>	TTC = 727.824,%WB = 17	TTC = 656.721,%WB = 13	TTC = 640.784,%WB = 13.5