

Exercise 2 – Ripple Join

a) Do not assume any heartbeats or punctuations.

Time: 09:45

Sweep Area 1

in_006	Inf_121_003	[09:35 – 10:05]
in_007	Aut_175_101	[09:37 – 10:07]
in_008	Inf_113_021	[09:42 – 10:12]

Sweep Area 2

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Output Buffer

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Time: 10:55

Sweep Area 1

in_011	Siv_014_035	[10:33 – 11:03]
in_012	Wirt_025_021	[10:43 – 11:13]
in_013	Med_147_102	[10:50 – 11:20]

Sweep Area 2

out_027	Aut_175_101	[10:21 – 10:51]
out_028	Mab_024_014	[10:31 – 11:01]
out_029	Inf_001_174	[10:54 – 11:24]

Output Buffer

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Time: 11:41

Sweep Area 1

in_012	Wirt_025_021	[10:43 – 11:13]
in_013	Med_147_102	[10:50 – 11:20]
in_014	Aut_401_201	[11:02 – 11:32]
in_015	Arc_104_715	[11:05 – 11:35]

Sweep Area 2

out_029	Inf_001_174	[10:54 – 11:24]
out_030	Wirt_025_021	[11:11 – 11:41]

Output Buffer

in_012	out_030	Wirt_025_021	[11:11 – 11:13]
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b) What would change if there were a heartbeat every second? Please fill the template again:

Time: 09:45

Sweep Area 1

in_006	Inf_121_003	[09:35 – 10:05]
in_007	Aut_175_101	[09:37 – 10:07]
in_008	Inf_113_021	[09:42 – 10:12]

Sweep Area 2

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Output Buffer

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Time: 10:55

Sweep Area 1

in_011	Siv_014_035	[10:33 – 11:03]
in_012	Wirt_025_021	[10:43 – 11:13]
in_013	Med_147_102	[10:50 – 11:20]

Sweep Area 2

out_028	Mab_024_014	[10:31 – 11:01]
out_029	Inf_001_174	[10:54 – 11:24]

Output Buffer

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Time: 11:41

Sweep Area 1

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Sweep Area 2

out_30	Wirt_025_021	[11:11 – 11:41]
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Output Buffer

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