

Davinci Resolve - Surround Sound Video and Audio Output Settings - Focusrite - RED 4 Pre

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Click on HDD MI> Output and make sure the source is Focusrite Thunderbolt click on Configure Speakers

**Blackmagic UltraStudio 4K**
16 ins / 16 outs

**Built-in Microphone**
2 ins / 0 outs

**Built-in Output**
0 ins / 2 outs

**Focusrite Thunderbolt**
60 ins / 64 outs

**Pro Tools Aggregate I/O**
2 ins / 2 outs

Audio Devices

Focusrite Thunderbolt

Clock Source: Default

Input

Output

Source: Default

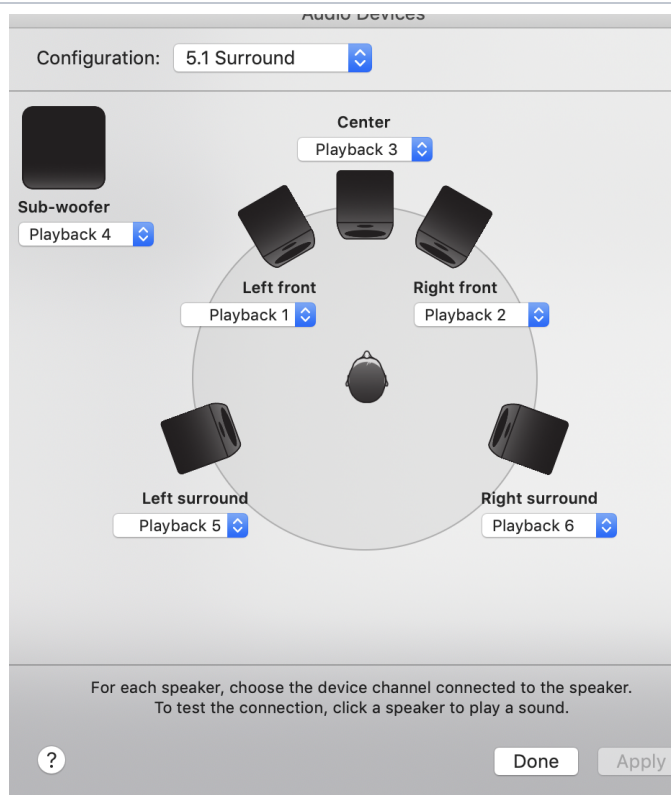
Format: 48,000 Hz 64 ch 24-bit Integer

Channel Volume	Value	dB	Mute
Master			☐
Playback 1			☐
Playback 2			☐
Playback 3			☐
Playback 4			☐
Playback 5			☐
Playback 6			☐
Playback 7			☐
Playback 8			☐
Playback 9			☐
Playback 10			☐

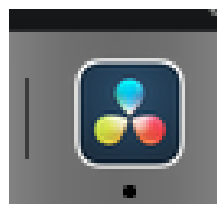
Configure Speakers...

Make sure they are set to 5.1 Surround

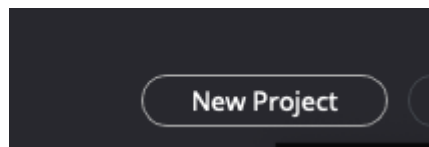
Apply > Done



Open Davinci Resolve

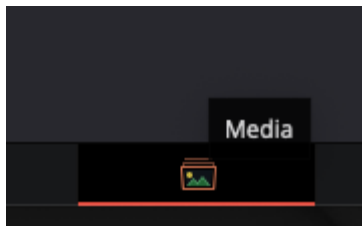


When you get through the prompts

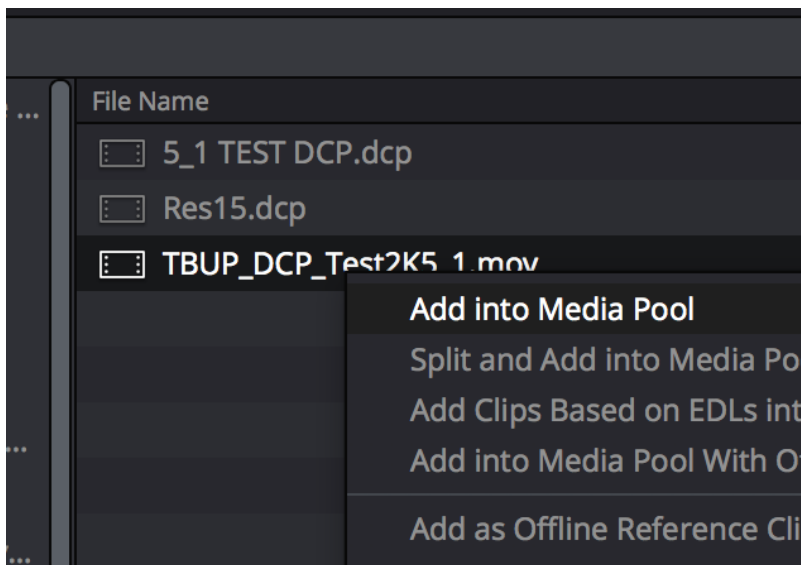


Open a New Project or Existing Project

Click on Media Tab and add 5.1 clips to media pool

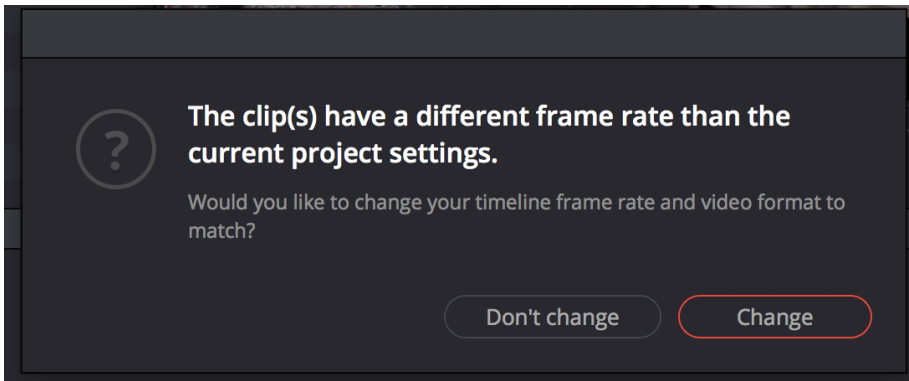


Find the 2K clip with the 5.1 interleaved audio that was exported

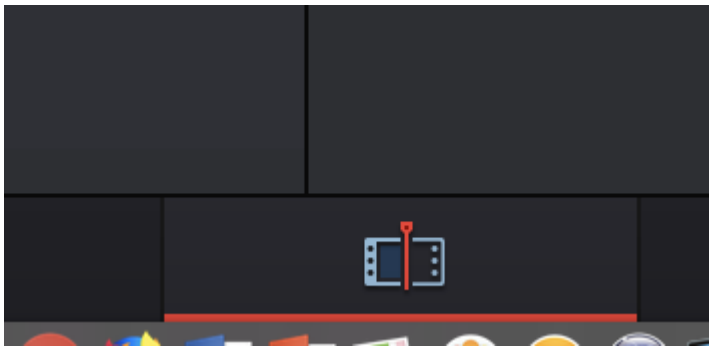


Right click it and choose "Add into Media Pool"

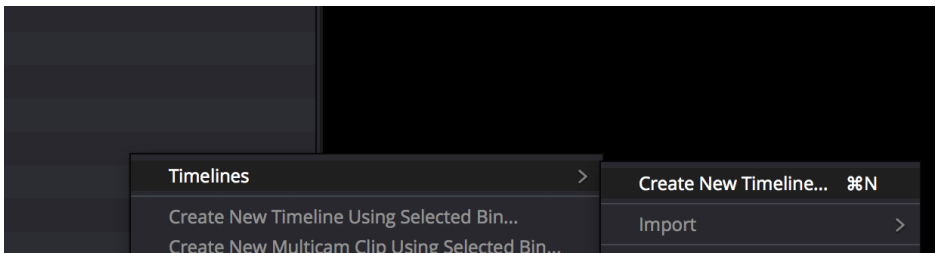
Choose to Change the frame rate
Click "Change"



Next - Go to the Edit Tab



Right click in the Media Pool area
> Choose
> Timeline
> Create New Timeline

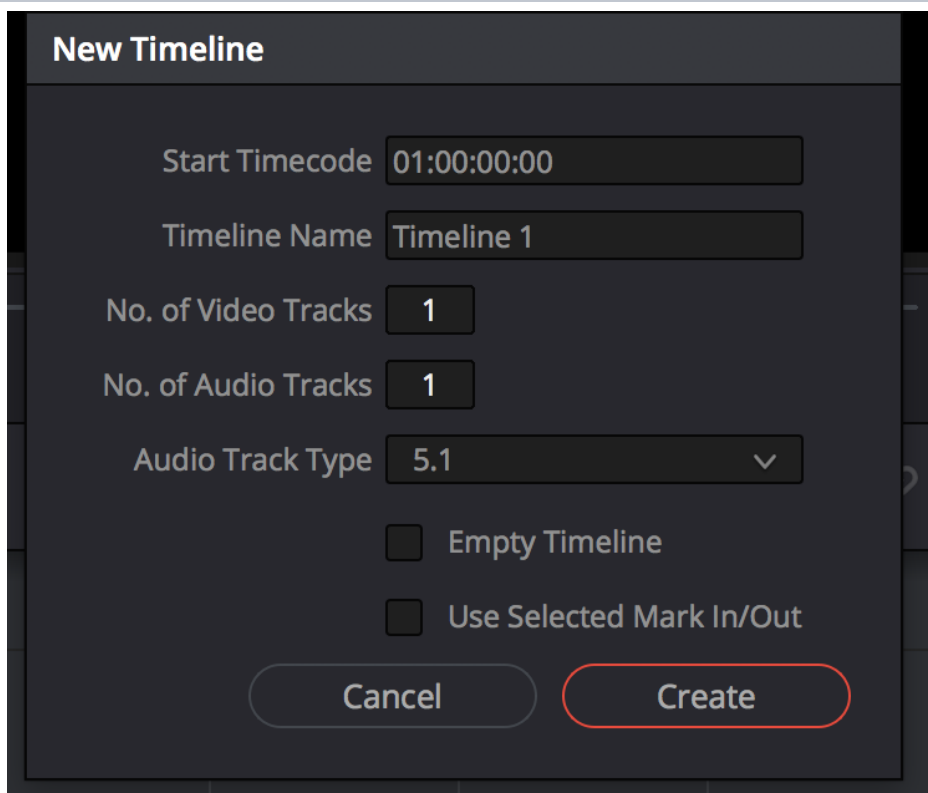


Set the Timeline to be 1 Video Track

1 audio track that is 5.1

Uncheck Empty Timeline

Click on "Create"



The 'New Timeline' dialog box in DaVinci Resolve is shown. It has a dark grey background. At the top, the title 'New Timeline' is in white. Below it, there are several input fields and checkboxes. The 'Start Timecode' field is set to '01:00:00:00'. The 'Timeline Name' field is set to 'Timeline 1'. The 'No. of Video Tracks' field is set to '1'. The 'No. of Audio Tracks' field is set to '1'. The 'Audio Track Type' dropdown menu is set to '5.1'. There are two checkboxes: 'Empty Timeline' and 'Use Selected Mark In/Out', both of which are unchecked. At the bottom, there are two buttons: 'Cancel' and 'Create'. The 'Create' button is highlighted with a red border.

New Timeline

Start Timecode 01:00:00:00

Timeline Name Timeline 1

No. of Video Tracks 1

No. of Audio Tracks 1

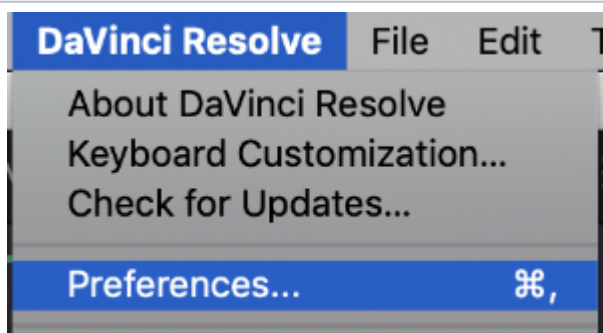
Audio Track Type 5.1

☐ Empty Timeline

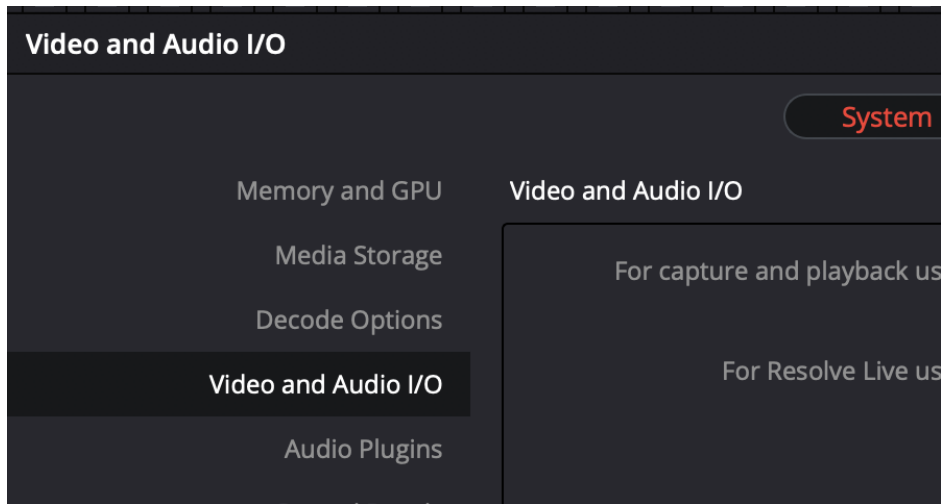
☐ Use Selected Mark In/Out

Cancel Create

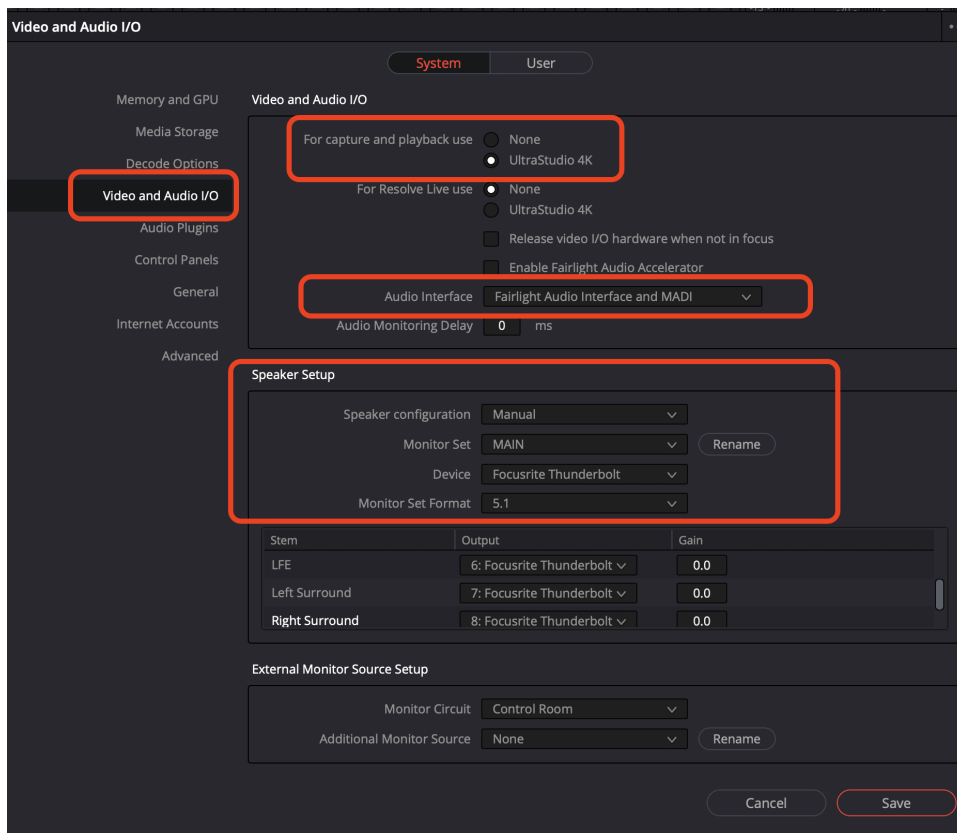
>DaVinci Resolve
>Preferences



Click on Video and Audio I/O



Assign Video and Audio I/O to UltraStudio 4K



Audio Interface set to Fairlight Audio Interface and MADI

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Right	Un-assigned	0.0
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	5: Focusrite Thunderbolt	
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You will have to close and Re - Open Resolve - Save Project and exit

Fairlight Workspa

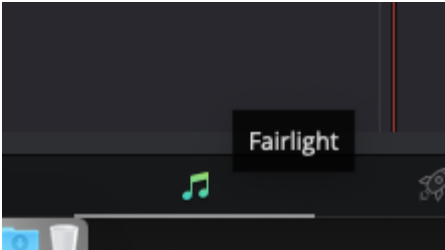
Bus Format...

Bus Assign...

Bus Format			
Name	Format	Channels	Color
Bus 1	5.1	6	

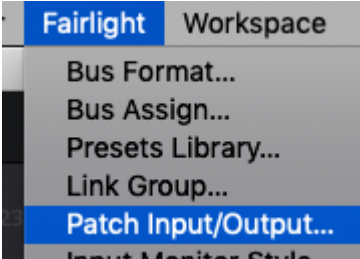
Next steps are not needed but good to know that these settings exist

Next choose the Fairlight tab at the

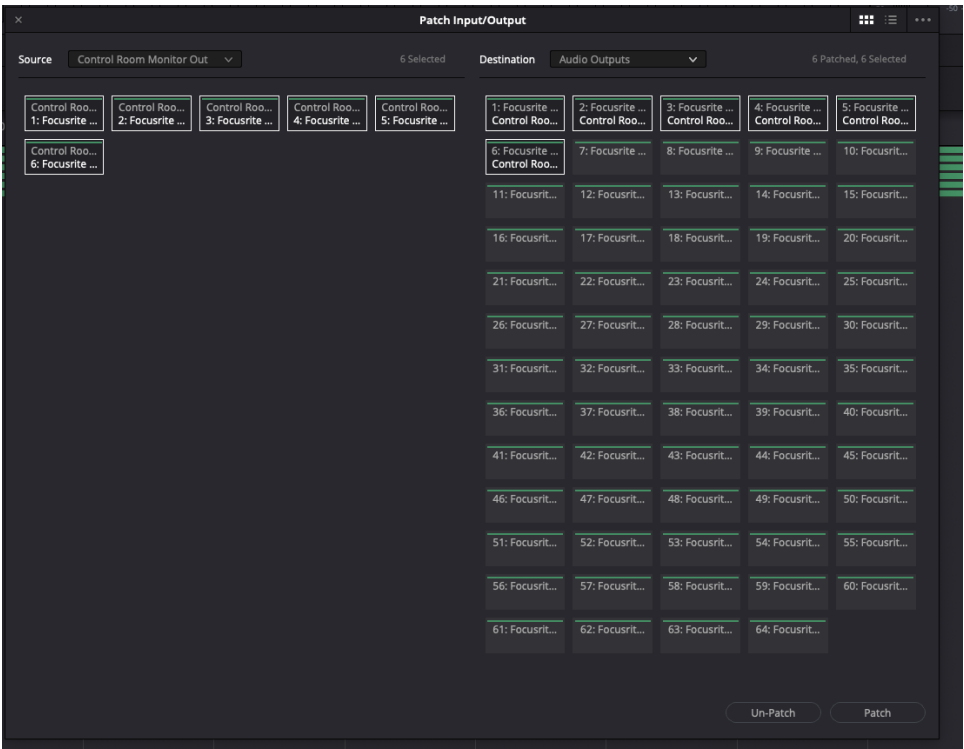


bottom of the application to enter the Fairlight mode

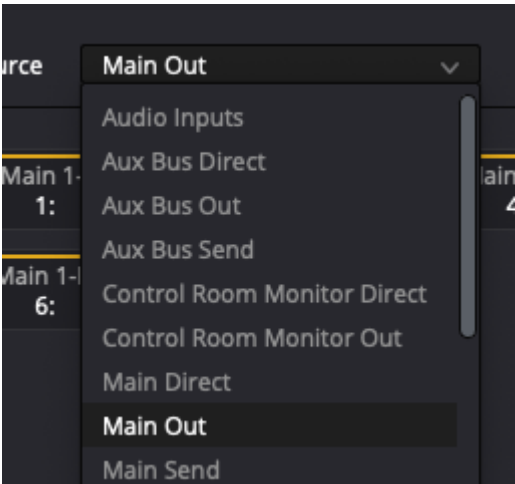
In the Fairlight mode click on Fairlight>Patch Input/Output



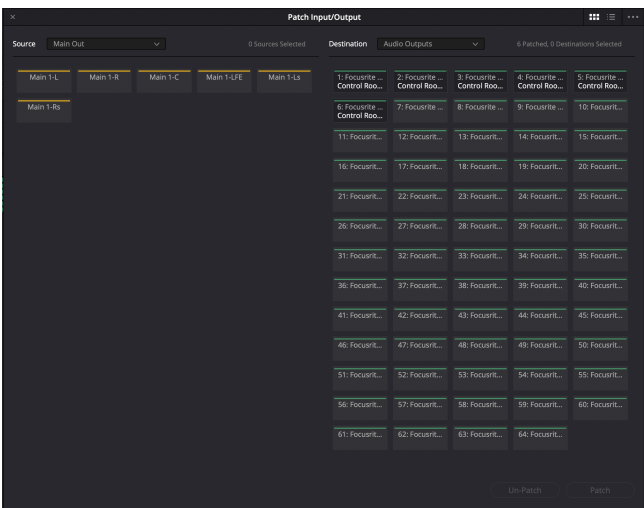
Resolve frame grab change



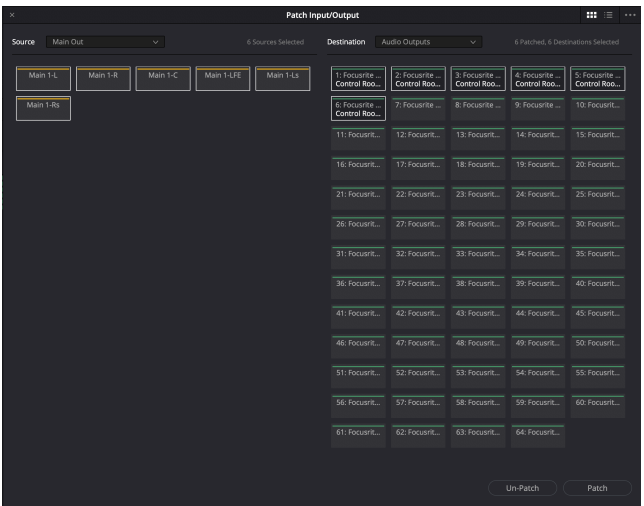
>Patch Input/Output



This is how the Patch Input/Output should look



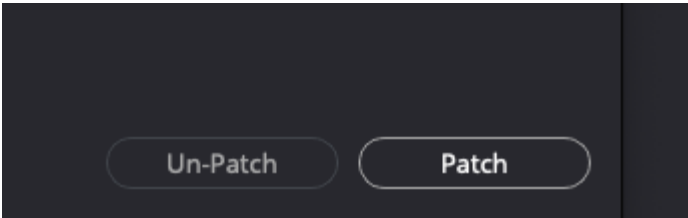
Next select source channels L, R, C, Lf, Ls, Rs in this order by clicking on the channels



Then on Destination click on channels 1-6 in order

They will have a white border around the boxes like this

Then click on Patch



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Patch Input/Output

Source

Main Out

0 Sources Selected

Destination

Audio Outputs

6 Patched, 0 Destinations Selected

Main 1-L
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Main 1-R
2:

Main 1-C
3:

Main 1-L...
4:

Main 1-Ls
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Main 1-Rs
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1:
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Main 1-C

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Main 1-LFE

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Main 1-Ls

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Main 1-Rs

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