

Example "B" - L/S-L/F - Backward Pass

In the example below, the first activity Red has a duration of 5 days, with a Start-to-Start relationship with Blue. You can see that there is now a 0 total float between the Red and the Blue, due to the fact that the Blue bar ran longer than expected and forced the Green bar to extend beyond the final completion date thus causing a negative float value to the Green bar. When an activity has a negative float value, all the predecessor activities related to that activity show a "0" float value, because these relationships are in a DELAY situation.

Since the Blue bar extended 4 extra days, and the Green bar could not start until the Blue bar finished, the Green bar is forced into a negative float (DELAY). If the final completion date is immovable, the schedule has to be revised as indicated in the (Light) Blue and the (Light) Green bars. These two bars are reflecting a Late Start/Late Finish. You back up the light green bar to the final completion date, and this forces the light blue bar back to show where this activity has to have its late start and still complete all the activities on the final completion date.

