



1583, and 1533, between even B. We have  $\Delta S^2 R S^3 = \Delta t_{RS}^2 - \Delta \times R S^3 = (t_S + t_B^3)^2$ (x3-x3)= (t3-t3) be the same as ASB? This must  $\Delta S_{BB}^{2} = \Delta L_{BB}^{2} - \Delta X_{BB}^{2} + (L_{B} - L_{B})^{2}$ (xs xs)2 (Lo + ts)7-2 2 2 6 68 2 2 2 0 8 1 0 8 24ots' 2 Lo + H(LoV)2 + H(LoV)2 + (LoV)2 + (Lo 0 240 + VH(OV)2 + OV

We have two options for &s': (B) = V + VLO OT (B) = 40 - VLO Lo is to We now have a similar situation to the one in exercise 1, where two events, in this case B and B, are simulaneous in a marked fame, but not an annasked. By the same reasoning we used there, we find that B must happen before B in the planet frame. Therefore to' ( to , so ts'= Lo Vto With numbers this gives to 202-198=4