```
State Problem Set (Assignment 11)
                       - 83.5
                                           Sd. = 16.9
       Are!
                            92.3 Sdz - 14.6.
                                        Sd3 = 14.2 n3 = 35
                             88.6
                                           Sdy - 14.1. ny = 351
                             99.4.
                            = 83.5 + 92.3 + 88.6 + 99.4 - 90.95
                       N= 11, + n2 + n3 + n4 = 140
               SSpetween = n_1(\bar{X}_1 - \bar{X})^2 + n_2(\bar{X}_2 - \bar{X})^2 + n_3(\bar{X}_3 - \bar{X})^2 + n_4(\bar{X}_4 - \bar{X})^2
                                \frac{35 \left( \left( 83.5 - 90.95 \right)^2 + \left( 92.3 - 90.95 \right)^2 + \left( 88.6 - 90.95 \right)^2}{+ \left( 99.4 - 90.95 \right)^2} \right)
                                         On Solving
                                 35 X 134025
                                   4698075
                                                           6. MSgelucen = 4698.75 - 1566.25
                                 k-1 = 3
                                \frac{S_{1}^{2}(n_{1}-1)}{34(1609^{2}+1406^{2}+1402^{2}+1401^{2})}+S_{3}^{2}(n_{3}-1)+S_{4}^{2}(n_{4}-1)
                                         On Solving
                                   34x 899.22
                                                           MSwithen = 30573.48 = 224.805
                                    30573.48
3
                    SS withen -
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		The state of the s
	\$ .	
F Stalistic = MS between 5 60967149		
Vitale		
MS within 10	· V	with the
p-value = 1- pf (F, df = 3 dt = 136)	. K	
J = 0.0002140835	-7	
Right tail probability	V	
right last probability		
30.00 = 4.60 + 7.38 + 5 CD + 9.58.	<u> </u>	
		Y Y
0110 1110 1110	1/	
	V	
= (X - X) + (X	1.28	
	11 200 14	
- 185 (1535-8095) + (923-9095) + (S82-9095) -		
(3/28/AP - 4 DB ) +		
and School		
- 35 x 134625		2 1 1
200774	1.22	
120 X22 - 35 2544 - 12/11 2 2 - 1 X23	1/4/	
1361 - 13	The Alberta	
Let IM	nother the	
	I Shall N	
	- inthough	
- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	
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C. (1. 1.1.) 11-1.		
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