Two-Mean Test

A math instructor wrote two versions of the same test and believed them to be of equal difficulty. The first version was given to a random sample of 36 students, and the second version was given to a random sample of 41 students.

Your job is to help the instructor decide if the two tests were of equal difficulty, or if one of the exams was harder than the other. Here are the scores of the two versions.

(Data can be found as "AMATYC 2020" in the "Woodbury Math 21" StatCrunch group.)

Version A								
	91	79	82	86	88	88	82	88
	88	64	98	90	75	60	93	80
	86	82	63	77	82	69	79	73
	57	92	82	85	94	77	74	90
	53	68	62	77				
Version B								
	69	84	79	94	85	96	94	79
	71	94	70	86	82	91	64	86
	87	87	92	69	74	95	77	95
	94	80	69	98	96	87	76	91
	82	89	76	95	95	72	82	82
	85							

Test the claim that the mean score for all students on these two exams are equal. Use the 0.05 level of significance.