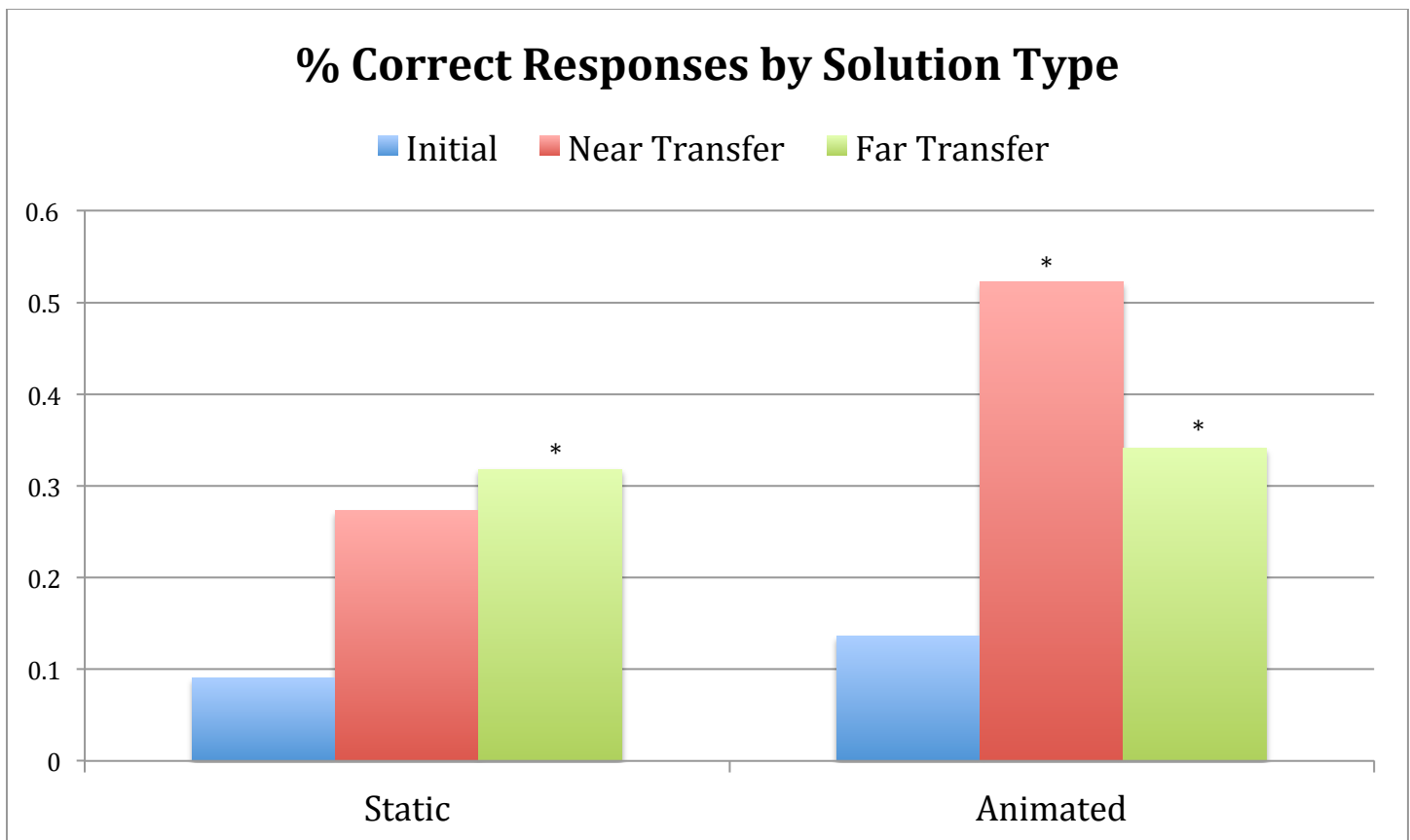


SUMMARY OF CHI SQUARE TEST RESULTS

Comparison by Solution Type

- For the static condition, there is no significant difference in the percentage of students who answered the initial and near transfer problems correctly. However, there is a significant difference in the percentage of students who answered the initial and far transfer problems correctly.
- For the animated condition, there is a significant difference in the percentage of students who answered the initial and near transfer problems correctly. There is also a significant difference in the percentage of students answering the initial and far transfer problems correctly.

Condition	Problem	# Correct	# Incorrect	χ^2	df _{effect}	df _{error}	p	Cramer's V
Static	1	4	40	4.889	1	88	.051	.236
	4	12	32					
	1	4	40	6.984	1	88	.016	.282
	5	14	30					
Animated	6	6	38	14.864	1	88	<.001	.411
	9	23	21					
	6	6	38	5.066	1	88	.044	.240
	10	15	29					



Comparison by Problem Type

- There is no significant difference in the percentage of students who answered the initial problem correctly in the static vs. animated conditions. The same is true for the percentage of students who answered the far transfer problem correctly.
- There is a significant difference in the percentage of students who answered the near transfer problem correctly in the static vs. animated conditions for the worked-out problems viewed.

Condition	Problem		# Correct	# Incorrect	χ^2	df _{effect}	df _{error}	p	Cramer's V
Static	Initial	1	4	40	0.451	1	88	.739	.072
Animated		6	6	38					
Static	Near Transfer	4	12	32	5.74	1	88	.029	.255
Animated		9	23	21					
Static	Far Transfer	5	14	30	0.051	1	88	1.000	.024
Animated		10	15	29					

