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#14-22

① A: 37 40 33 29 42 33 35 28 24

$n_1 = 9$

② $n_2 = 4$ B: 65 35 47 52

$n = n_1 + n_2 = 13$ Rank 13 measurement

Smallest gets rank 1

	27	28	29	33	33	35	35	37	40	42	47
Ranks	1	2	3	4	5	6	7	8	9	10	11
	52	65	45	45	65	65	65				

Ranks . 12 13

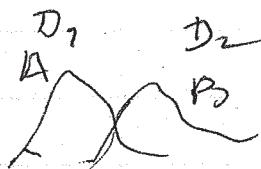
$$T_2 = 13 + 6.5 + 11 + 12 = 42.5$$

$$T_1 = 48.5$$

$$\left(\frac{n(n+1)}{2} \right) = \frac{13 \times 14}{2} = 91$$

H₀: D_1 & D_2 are same

① H_a: D_1 is to left of D_2



one sided

② $\alpha = .05$

$n_1 > n_2$ for

③ T.S. $T = T_2$ (smaller sample)

④ RR $T \geq T_U = 65$ Table-9 P 828

(G)
⑤ $T = T_2 = 42.5 \rightarrow$ fail to Reject H₀

There is not suff. evidence that D_2 is shifted to the right of A.