Va Krasla tabilla En some problèms, me cannet deal with quantitative data, but we have to deal with qualitative de assessment. In this cases, we have to find the I cank correlation according as the arrangement of the individuals. The formula for tank rank correlation Co-efficient is 9(= 1 6 \( \frac{1}{2} \) , where di= 7i-4. Example: The marks recurred by recounts in the relection of test (x) and in the proficiency test (4) are given lelow: Serial no.: 1 2 3 4 5 6 7 8 9.

X: 10 15 12 17 13 16 24 14 22 Y : 30 42 45 d44 33 34 40 36 39 Calculate the nank convulation coefficient Sell For the given marks, the number with the largest size is ranked 1, next is ranked 2 and 80 on it we rank in decending order.

	***		-			1				
X	10	15	12	17	13	16	24	14	22	Tietal
Y	30	42	45	46	33	34	40	35	39	
Rembe in X (71).	9	5	8	3	7	4	y 1000	6	2	
Rentes in Y (y)	9	3	2	1	8	7	4, )	6	ゟ	
$d_i = \gamma_i - \gamma_i$	. 0	2	6	2	-7	-3	-3	0	-3	0
4~.	0	14	36	4	1	9	9	0	9	72
$\mathcal{A}_{i}$	1	1		7	/					)

. [ di = 72, here n = 9

rank correlation ce efficient,

$$91 = 1 - \frac{6 \sum_{n=1}^{7} d_{n}^{2}}{n(n^{2}-1)}$$

$$= 1 - \frac{6 \times 72}{9 \times 80} = 1 - 6 = 0.4$$