1) * sort The data Set

(more sure to have lowest two values correctly and highest two values correctly identified).

¥ 2121,137 170,1783.

If Suspect 121 may be an outlier.

(actually told this in overtion, but
good to check all the Same).

RANGE = 178 - 121 = 57 GAP (For 121) = 16.

* Hypothesis test

Ho: no outliers present in DAJA Hi: Lowest value (121) is an outlier

(This is sufficient as statement of Ho, Hi)

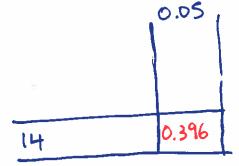
Test statistic

$$Q \text{ Test} = \frac{GAP}{RAnge} = \frac{16}{57}$$

Critical value

see tables folder in Sulis

Sample SIZE = 14.



Decision

13 TS > CU?

15 2.807 > 0.396

NO Feul to reject Ho.

not enough evidence to say 121 is