C. Fit n Curve

Neithan, the owner of Fit and Curve Gym near downtown plaza is thinking of expanding the gym's size. But he is yet to decide which room he is to expand. The gym is composed of two main rooms - The weights room (WR) and the dance studio (DS). A utilization study was conducted to see how often the two rooms of this local Gym were being used during the lunch hour. The number of people in each room was counted at 12:30 noon each Monday for 10 weeks. The results are summarized and are contained here:

http://dcs.adnu.edu.ph/~neithan/xiphias/inputfiles/fitncurve.csv

On the 5% level of significance, test if the weights room is used more than the dance studio. Let your H_o be - "The rooms are utilized equally".

What room should Neithan prioritize expanding?

Provide the values / answers in the following format:

```
n =
df =
sum of d =
sum of d^2 =
tails =
significance level =
confidence level =
cv =
t-value =

Decision / Conclusion:
```