An experiment was conducted to determine the effect of various diets on the weight of a certain type of shrimp larvae. Thirty 1-Liter containers with 100 shrimp larvae each were randomly assigned to the six diets to be fid in such a manner that five containers were assigned to each diet. After a period of time the containers were drained and the dry weight of the 100 larvae (gm) was determined for each container. The data follow:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| D1 | D2 | D3 | D4 | D5 | D6 |
| 40.7 | 38.1 | 57.4 | 54.2 | 38.5 | 48.9 |
| 50.9 | 39.6 | 55.1 | 57.7 | 42.0 | 47.0 |
| 45.2 | 39.1 | 54.2 | 57.1 | 38.7 | 47.0 |
| 48.9 | 33.1 | 56.8 | 47.9 | 38.9 | 44.4 |
| 48.2 | 40.3 | 52.5 | 53.4 | 44.6 | 46.9 |

Test H˳: µı = µ2 =….=µ6 against Hı : not H˳