SQA Assignment 3

1.

DEF-USE Table:

|  |  |  |
| --- | --- | --- |
| **Variable** | **DEF** | **USE** |
| testWeight | 4 | 8 |
| testGrade | 5, 7 | 8, 10, 12, 14, 16, 18 |
| hwGrade | 5, 7 | 8, 10, 12, 14, 16, 18 |
| finalGrade | 8 | 9, 11, 13, 15 |

DU Path Table:

|  |  |  |
| --- | --- | --- |
| **Variable** | **#** | **DU Path** |
| testWeight | 1 | 4-5-6-7-8 |
| testGrade | 1 | 7-8-9-10 |
|  | 2 | 7-8-9-11-12 |
|  | 3 | 7-8-9-11-13-14 |
|  | 4 | 7-8-9-11-13-15-16 |
|  | 5 | 7-8-9-11-13-15-17-18 |
| hwGrade | 1 | 7-8-9-10 |
|  | 2 | 7-8-9-11-12 |
|  | 3 | 7-8-9-11-13-14 |
|  | 4 | 7-8-9-11-13-15-16 |
|  | 5 | 7-8-9-11-13-15-17-18 |
| finalGrade | 1 | 8-9 |
|  | 2 | 8-9-11 |
|  | 3 | 8-9-11-13 |
|  | 4 | 8-9-11-13-15 |

2.

DEF-USE Table:

|  |  |  |
| --- | --- | --- |
| **Variable** | **DEF** | **USE** |
| orange | 4, 11 | 20 |
| orangePrice | 5, 13 | 20 |
| apple | 6, 15 | 20 |
| applePrice | 7, 17 | 20 |
| total | 8, 20 | 21, 25, 26 |
| money | 9, 19, 26 | 21, 26, 28 |

DU Path Table:

|  |  |  |
| --- | --- | --- |
| **Variable** | **#** | **USE** |
| orange | 1 | 11-12-13-14-15-16-17-18-19-20 |
| orangePrice | 1 | 13-14-15-16-17-18-19-20 |
| apple | 1 | 15-16-17-18-19-20 |
| applePrice | 1 | 17-18-19-20 |
| total | 1 | 20-21 |
|  | 2 | 20-21-23-24-25-26 |
| money | 1 | 19-20-21 |
|  | 2 | 19-20-21-23-24-25-26-28 |