Problem 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 | 4-6-7-8 |
| testGrade | 1 | 7-8 |
| 2 | 7-8-9-10 |
| 3 | 7-8-9-11-12 |
| 4 | 7-8-9-11-13-14 |
| 5 | 7-8-9-11-13-15-16 |
| 6 | 7-8-9-11-13-15-17-18 |
| hwGrade | 1 | 7-8 |
| 2 | 7-8-9-10 |
| 3 | 7-8-9-11-12 |
| 4 | 7-8-9-11-13-14 |
| 5 | 7-8-9-11-13-15-16 |
| 6 | 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 |

Problem 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 | # | DU Path |
| 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 |
| 3 | 20-21-23-24-25-26 |
| money | 1 | 19-20-21 |
| 2 | 19-20-21-23-24-25-26 |
| 3 | 26-27-28 |