The order of elasticity coefficients and response rates.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DN number | 4 | 5 | 6 | 7 | | 8 | 9 | |
| CS node | 8 | 5 | 14 | 11 | 13 | 16 | 4 | 12 |

Elasticity coefficients



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -1 | 0.25 | 0.125 | 0 | 0 | 0.125 | 0.25 | 0.25 |
| 0.25 | -1 | 0.25 | 0.25 | 0.25 | 0 | 0 | 0 |
| 0.125 | 0.25 | -1 | 0.25 | 0.25 | 0 | 0.125 | 0 |
| 0 | 0.25 | 0.25 | -1 | 0.375 | 0.125 | 0 | 0 |
| 0 | 0.25 | 0.25 | 0.375 | -1 | 0.125 | 0 | 0 |
| 0.125 | 0 | 0 | 0.125 | 0.125 | -1 | 0.25 | 0.375 |
| 0.25 | 0 | 0.125 | 0 | 0 | 0.25 | -1 | 0.375 |
| 0.25 | 0 | 0 | 0 | 0 | 0.375 | 0.375 | -1 |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -1.2 | 0.2 | 0.1 | 0 | 0 | 0.1 | 0.2 | 0.2 |
| 0.2 | -1.2 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 |
| 0.1 | 0.2 | -1.2 | 0.2 | 0.2 | 0 | 0.1 | 0 |
| 0 | 0.2 | 0.2 | -1.2 | 0.3 | 0.1 | 0 | 0 |
| 0 | 0.2 | 0.2 | 0.3 | -1.2 | 0.1 | 0 | 0 |
| 0.1 | 0 | 0 | 0.1 | 0.1 | -1.2 | 0.2 | 0.3 |
| 0.2 | 0 | 0.1 | 0 | 0 | 0.2 | -1.2 | 0.3 |
| 0.2 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | -1.2 |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -0.8 | 0.3 | 0.15 | 0 | 0 | 0.15 | 0.3 | 0.3 |
| 0.3 | -0.8 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 |
| 0.15 | 0.3 | -0.8 | 0.3 | 0.3 | 0 | 0.15 | 0 |
| 0 | 0.3 | 0.3 | -0.8 | 0.45 | 0.15 | 0 | 0 |
| 0 | 0.3 | 0.3 | 0.45 | -0.8 | 0.15 | 0 | 0 |
| 0.15 | 0 | 0 | 0.15 | 0.15 | -0.8 | 0.3 | 0.45 |
| 0.3 | 0 | 0.15 | 0 | 0 | 0.3 | -0.8 | 0.45 |
| 0.3 | 0 | 0 | 0 | 0 | 0.45 | 0.45 | -0.8 |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -0.8 | 0.3 | 0.15 | 0 | 0 | 0.15 | 0.3 | 0.3 |
| 0.3 | -0.8 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 |
| 0.15 | 0.3 | -0.8 | 0.3 | 0.3 | 0 | 0.15 | 0 |
| 0 | 0.3 | 0.3 | -0.8 | 0.45 | 0.15 | 0 | 0 |
| 0 | 0.3 | 0.3 | 0.45 | -0.8 | 0.15 | 0 | 0 |
| 0.15 | 0 | 0 | 0.15 | 0.15 | -0.8 | 0.3 | 0.45 |
| 0.3 | 0 | 0.15 | 0 | 0 | 0.3 | -0.8 | 0.45 |
| 0.3 | 0 | 0 | 0 | 0 | 0.45 | 0.45 | -0.8 |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -1.2 | 0.2 | 0.1 | 0 | 0 | 0.1 | 0.2 | 0.2 |
| 0.2 | -1.2 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 |
| 0.1 | 0.2 | -1.2 | 0.2 | 0.2 | 0 | 0.1 | 0 |
| 0 | 0.2 | 0.2 | -1.2 | 0.3 | 0.1 | 0 | 0 |
| 0 | 0.2 | 0.2 | 0.3 | -1.2 | 0.1 | 0 | 0 |
| 0.1 | 0 | 0 | 0.1 | 0.1 | -1.2 | 0.2 | 0.3 |
| 0.2 | 0 | 0.1 | 0 | 0 | 0.2 | -1.2 | 0.3 |
| 0.2 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | -1.2 |

Response rates



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0.25 | 0.0625 | 0.03125 | 0 | 0 | 0.03125 | 0.0625 | 0.0625 |
| 0.0625 | 0.25 | 0.0625 | 0.0625 | 0.0625 | 0 | 0 | 0 |
| 0.03125 | 0.0625 | 0.25 | 0.0625 | 0.0625 | 0 | 0.03125 | 0 |
| 0 | 0.0625 | 0.0625 | 0.25 | 0.09375 | 0.03125 | 0 | 0 |
| 0 | 0.0625 | 0.0625 | 0.09375 | 0.25 | 0.03125 | 0 | 0 |
| 0.03125 | 0 | 0 | 0.03125 | 0.03125 | 0.25 | 0.0625 | 0.09375 |
| 0.0625 | 0 | 0.03125 | 0 | 0 | 0.0625 | 0.25 | 0.09375 |
| 0.0625 | 0 | 0 | 0 | 0 | 0.09375 | 0.09375 | 0.25 |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -0.25 | -0.0625 | -0.03125 | 0 | 0 | -0.03125 | -0.0625 | -0.0625 |
| -0.0625 | -0.25 | -0.0625 | -0.0625 | -0.0625 | 0 | 0 | 0 |
| -0.03125 | -0.0625 | -0.25 | -0.0625 | -0.0625 | 0 | -0.03125 | 0 |
| 0 | -0.0625 | -0.0625 | -0.25 | -0.09375 | -0.03125 | 0 | 0 |
| 0 | -0.0625 | -0.0625 | -0.09375 | -0.25 | -0.03125 | 0 | 0 |
| -0.03125 | 0 | 0 | -0.03125 | -0.03125 | -0.25 | -0.0625 | -0.09375 |
| -0.0625 | 0 | -0.03125 | 0 | 0 | -0.0625 | -0.25 | -0.09375 |
| -0.0625 | 0 | 0 | 0 | 0 | -0.09375 | -0.09375 | -0.25 |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 0.25 | 0.0625 | 0.03125 | 0 | 0 | 0.03125 | 0.0625 | 0.0625 |
| 0.0625 | 0.25 | 0.0625 | 0.0625 | 0.0625 | 0 | 0 | 0 |
| 0.03125 | 0.0625 | 0.25 | 0.0625 | 0.0625 | 0 | 0.03125 | 0 |
| 0 | 0.0625 | 0.0625 | 0.25 | 0.09375 | 0.03125 | 0 | 0 |
| 0 | 0.0625 | 0.0625 | 0.09375 | 0.25 | 0.03125 | 0 | 0 |
| 0.03125 | 0 | 0 | 0.03125 | 0.03125 | 0.25 | 0.0625 | 0.09375 |
| 0.0625 | 0 | 0.03125 | 0 | 0 | 0.0625 | 0.25 | 0.09375 |
| 0.0625 | 0 | 0 | 0 | 0 | 0.09375 | 0.09375 | 0.25 |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -0.25 | -0.0625 | -0.03125 | 0 | 0 | -0.03125 | -0.0625 | -0.0625 |
| -0.0625 | -0.25 | -0.0625 | -0.0625 | -0.0625 | 0 | 0 | 0 |
| -0.03125 | -0.0625 | -0.25 | -0.0625 | -0.0625 | 0 | -0.03125 | 0 |
| 0 | -0.0625 | -0.0625 | -0.25 | -0.09375 | -0.03125 | 0 | 0 |
| 0 | -0.0625 | -0.0625 | -0.09375 | -0.25 | -0.03125 | 0 | 0 |
| -0.03125 | 0 | 0 | -0.03125 | -0.03125 | -0.25 | -0.0625 | -0.09375 |
| -0.0625 | 0 | -0.03125 | 0 | 0 | -0.0625 | -0.25 | -0.09375 |
| -0.0625 | 0 | 0 | 0 | 0 | -0.09375 | -0.09375 | -0.25 |