There are five modulation modes for users to choose, and the corresponding indicators and scores for each modulation mode are shown in the table below：

|  |  |  |  |
| --- | --- | --- | --- |
| modulation | Soft switching Range | Current Stress | Easiness to implement |
| SPS | 1 | 1 | 5 |
| DPS | 2 | 2 | 4 |
| EPS | 3 | 3 | 3 |
| TPS | 4 | 4 | 2 |
| Five-Degree | 5 | 5 | 1 |

The following evaluation indicators are transformed by the above indicators, the corresponding value represents the score of the indicator

* Conduction loss = 100% current stress
* Copper loss = 100% current stress  
  Core Loss = 100% current stress
* Switch loss = 80% soft switching range +20% current stress
* efficiency = 40%soft switching range +60% current stress
* Circulating current = 100% current stress
* Reactive power = 100% current stress
* Thermal performance: thermal performance of switches + thermal of transformer  
  thermal performance of switches = 60% soft switching range +40% current stress  
  thermal of transformer = 100% current stress

The metrics used to calculate the final score must include the three in the table and the conversion metrics below the table selected by the user.

The metrics selected by the user account for 90% of the final score (the proportion of each indicator is equally distributed), and the remaining indicators account for 10% of the final score (the proportion of each indicator is equally distributed).

You must calculate the user's requirements into the final score and output the final score of each modulation to the user, and select the modulation with the highest score to recommend to the user.