Benchmark functions for knowledge graph

|  |  |  |  |
| --- | --- | --- | --- |
| Label | Dimensionality | Benchmark function | Domain bounds |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 3 |  |  |
|  | 6 |
|  | 3 |  |  |
|  | 4 |  |  |
|  | 5 |  |  |
|  | 10 |  |  |
|  | 10 |  |  |
|  | 3 |  |  |
|  | 6 |
|  | 9 |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 4 |  |  |
|  | 7 |
|  | 10 |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 4 |  |  |
|  | 7 |
|  | 10 |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 4 |  |  |
|  | 7 |
|  | 10 |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 5 |  |  |
|  | 8 |
|  | 5 |  |  |
|  | 8 |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 2 |  |  |
|  | 5 |
|  | 8 |

Benchmark functions for verification

* Function of Perm
* Dixon and Price function
* Beale function