aggregate

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **group\_idx**two main inputs | 3 | 0 | 0 | 1 | 0 | 3 | 5 | 5 | 0 | 4 |
| **a** | 13.2 | 3.5 | 3.5 | -8.2 | 3.0 | 13.4 | 99.2 | -7.1 | 0.0 | 53.7 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| output | 0 | 1 | 2 | 3 | 4 | 5 |
| **Sum** | 10.0 | -8.2 | 0.0 | 26.6 | 53.7 | 92.1 |

multi\_cumsum

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **group\_idx**two main inputs | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 5 |
| **a** | 3 | 5 | 8 | 9 | 1 | 2 | 5 | 8 | 5 | 4 | 9 | 2 |

output

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 5 |
| **cumsum** | NaN | 5 | 13 | 9 | 10 | NaN | NaN | 8 | 13 | 17 | NaN | 2 |

multi\_arange

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| input | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| **n** | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 2 | 1 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| output | 2 | 2 | 2 | 5 | 5 | 7 | 7 | 8 |
| **arange** | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 0 |

label\_contiguous\_1d

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| input | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| **a** | 0 | 3 | 3 | 0 | 0 | 5 | 5 | 5 | 1 | 1 | 0 | 2 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| output | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| **labels** | 0 | 1 | 1 | 0 | 0 | 2 | 2 | 2 | 3 | 3 | 0 | 4 |