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| --- | --- | --- |
| 1 | 0 | 1 |
| 1 | 0 | 1 |
| 1 | 0 | 1 |

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Filter 1 (3x3x3)

Input (6x6x3)

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| --- | --- | --- |
| 1 | 0 | 1 |
| 1 | 0 | 1 |
| 1 | 0 | 1 |

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| --- | --- | --- |
| 1 | 0 | 1 |
| 1 | 0 | 1 |
| 1 | 0 | 1 |

Output (4x4x2)

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 9 | 2 | 4 | 2 | 7 | 1 |
| 5 | 2 | 3 | 3 | 2 | 0 |
| 0 | 0 | 4 | 6 | 2 | 3 |
| 5 | 1 | 2 | 3 | 9 | 6 |
| 9 | 9 | 3 | 2 | 7 | 7 |
| 8 | 2 | 1 | 1 | 0 | 0 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 9 | 2 | 4 | 2 | 7 | 1 |
| 5 | 2 | 3 | 3 | 2 | 0 |
| 0 | 0 | 4 | 6 | 2 | 3 |
| 5 | 1 | 2 | 3 | 9 | 6 |
| 9 | 9 | 3 | 2 | 7 | 7 |
| 8 | 2 | 1 | 1 | 0 | 0 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 9 | 2 | 4 | 2 | 7 | 1 |
| 5 | 2 | 3 | 3 | 2 | 0 |
| 0 | 0 | 4 | 6 | 2 | 3 |
| 5 | 1 | 2 | 3 | 9 | 6 |
| 9 | 9 | 3 | 2 | 7 | 7 |
| 8 | 2 | 1 | 1 | 0 | 0 |

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|  |  |  |
| --- | --- | --- |
| 1 | 0 | 1 |
| 1 | 0 | 1 |
| 1 | 0 | 1 |

|  |  |  |  |
| --- | --- | --- | --- |
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|  |  |  |
| --- | --- | --- |
| 1 | 0 | 1 |
| 1 | 0 | 1 |
| 1 | 0 | 1 |

|  |  |  |
| --- | --- | --- |
| 1 | 0 | 1 |
| 1 | 0 | 1 |
| 1 | 0 | 1 |

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Hadamard Product

Filter 2 (3x3x3)

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