|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 |  |  |  |  |  |  |  |  |
| 0111 |  |  |  |  |  |  |  |  |
| 1000 |  | 1 | 1 | 1 | 1 | 1 | 1 |  |

O

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 |  |  |  |  |  |  |  |  |
| 0111 |  |  |  |  |  |  |  |  |
| 1000 |  |  | 1 |  |  |  | 1 |  |

P

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0111 | 1 | 1 |  |  |  |  |  |  |
| 1000 |  |  |  |  |  |  |  |  |

Q

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0111 | 1 | 1 |  |  |  |  |  |  |
| 1000 |  |  |  |  |  |  |  |  |

R

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0111 | 1 | 1 |  |  |  |  |  |  |
| 1000 |  |  |  |  | 1 | 1 |  |  |

S

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0111 | 1 | 1 |  |  |  |  |  |  |
| 1000 |  |  |  | 1 | 1 |  | 1 |  |

T

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 0111 | 1 |  |  |  |  |  |  |  |
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U

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| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 | 1 |  | 1 |  |  |  | 1 | 1 |
| 0111 | 1 | 1 |  |  |  |  |  |  |
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V

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| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 |  |  |  |  |  |  |  |  |
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W

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| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 |  |  |  |  |  |  |  |  |
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X

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 | 1 |  |  |  | 1 | 1 |  | 1 |
| 0111 | 1 |  |  |  |  |  |  |  |
| 1000 |  |  |  |  |  |  |  |  |

Y

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| efg  abcd | 000 | 001 | 010 | 011 | 100 | 101 | 110 | 111 |
| 0110 | 1 |  |  | 1 | 1 |  | 1 | 1 |
| 0111 |  | 1 |  |  |  |  |  |  |
| 1000 |  |  |  |  |  |  |  |  |

Z

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  d | 00 | 01 | 10 | 11 |
| 1100 |  | 1 | 1 | 1 |
| 1101 | 1 | 1 | 1 |  |
| 1110 |  |  |  |  |
| 1111 |  |  |  |  |

O = d’ + d’ef’ + d’e’f

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  | 1 |  |
| 01 |  |  | 1 |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |

p

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |

q

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
| 10 |  |  |  |  |
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r

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
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s

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
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t

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
| 10 |  |  |  |  |
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u

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |

v

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
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w

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| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
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x

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
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y

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| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
| 10 |  |  |  |  |
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z

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| fg  de | 00 | 01 | 10 | 11 |
| 00 |  |  |  |  |
| 01 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |