

| n  | input    | output   |
|----|----------|----------|
| 0  | 80000000 | 80000000 |
| 1  | 80000000 | C0000000 |
| 2  | 80000000 | E0000000 |
| 3  | 80000000 | F0000000 |
| 4  | 80000000 | F8000000 |
| 5  | 80000000 | FC000000 |
| 6  | 80000000 | FE000000 |
| 7  | 80000000 | FF000000 |
| 8  | 80000000 | FF800000 |
| 9  | 80000000 | FFC00000 |
| 0A | 80000000 | FFE00000 |
| 0B | 80000000 | FFF00000 |
| 0C | 80000000 | FFF80000 |
| 0D | 80000000 | FFFC0000 |
| 0E | 80000000 | FFFE0000 |
| 0F | 80000000 | FFFF0000 |
| 10 | 80000000 | FFFF8000 |
| 11 | 80000000 | FFFFC000 |
| 12 | 80000000 | FFFFE000 |
| 13 | 80000000 | FFFFF000 |
| 14 | 80000000 | FFFFF800 |
| 15 | 80000000 | FFFFFC00 |
| 16 | 80000000 | FFFFFE00 |
| 17 | 80000000 | FFFFF00  |
| 18 | 80000000 | FFFFF80  |
| 19 | 80000000 | FFFFFC0  |
| 1A | 80000000 | FFFFFE0  |
| 1B | 80000000 | FFFFFF0  |
| 1C | 80000000 | FFFFFF8  |
| 1D | 80000000 | FFFFFFC  |
| 1E | 80000000 | FFFFFFE  |
| 1F | 80000000 | FFFFFFF  |
|    |          |          |

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| 0A | 80000000 | FFE00000  |
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| 0C | 80000000 | FFF80000  |
| 0D | 80000000 | FFFC0000  |
| 0E | 80000000 | FFFE0000  |
| 0F | 80000000 | FFFF0000  |
| 10 | 80000000 | FFFF8000  |
| 11 | 80000000 | FFFFC000  |
| 12 | 80000000 | FFFFE000  |
| 13 | 80000000 | FFFFF000  |
| 14 | 80000000 | FFFFF800  |
| 15 | 80000000 | FFFFFC00  |
| 16 | 80000000 | FFFFFE00  |
| 17 | 80000000 | FFFFFF00  |
| 18 | 80000000 | FFFFFF80  |
| 19 | 80000000 | FFFFFFC0  |
| 1A | 80000000 | FFFFFFE0  |
| 1B | 80000000 | FFFFFFF0  |
| 1C | 80000000 | FFFFFFFF8 |
| 1D | 80000000 | FFFFFFFFC |
| 1E | 80000000 | FFFFFFFE  |
| 1F | 80000000 | FFFFFFFF  |
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| 0D | 80000000 | FFFC0000 |
| 0E | 80000000 | FFFE0000 |
| 0F | 80000000 | FFFF0000 |
| 10 | 80000000 | FFFF8000 |
| 11 | 80000000 | FFFFC000 |
| 12 | 80000000 | FFFFE000 |
| 13 | 80000000 | FFFFF000 |
| 14 | 80000000 | FFFFF800 |
| 15 | 80000000 | FFFFFC00 |
| 16 | 80000000 | FFFFFE00 |
| 17 | 80000000 | FFFFFF00 |
| 18 | 80000000 | FFFFFF80 |
| 19 | 80000000 | FFFFFFC0 |
| 1A | 80000000 | FFFFFFE0 |
| 1B | 80000000 | FFFFFFF0 |
| 1C | 80000000 | FFFFFFF8 |
| 1D | 80000000 | FFFFFFFC |
| 1E | 80000000 | FFFFFFFE |
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| 0E | 80000000 | FFFE0000 |
| 0F | 80000000 | FFFF0000 |
| 10 | 80000000 | FFFF8000 |
| 11 | 80000000 | FFFFC000 |
| 12 | 80000000 | FFFFE000 |
| 13 | 80000000 | FFFFF000 |
| 14 | 80000000 | FFFFF800 |
| 15 | 80000000 | FFFFFC00 |
| 16 | 80000000 | FFFFFE00 |
| 17 | 80000000 | FFFFFF00 |
| 18 | 80000000 | FFFFFF80 |
| 19 | 80000000 | FFFFFFC0 |
| 1A | 80000000 | FFFFFFE0 |
| 1B | 80000000 | FFFFFFF0 |
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| 0F | 80000000 | FFFF0000 |
| 10 | 80000000 | FFFF8000 |
| 11 | 80000000 | FFFFC000 |
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| 0B | 80000000 | FFF00000 |
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| 0E | 80000000 | FFFE0000 |
| 0F | 80000000 | FFFF0000 |
| 10 | 80000000 | FFFF8000 |
| 11 | 80000000 | FFFFC000 |
| 12 | 80000000 | FFFFE000 |
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| 14 | 80000000 | FFFFF800 |
| 15 | 80000000 | FFFFFC00 |
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| 18 | 80000000 | FFFFFF80 |
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| 1A | 80000000 | FFFFFFE0 |
| 1B | 80000000 | FFFFFFF0 |
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| 18 | 80000000 | FFFFFF80 |
| 19 | 80000000 | FFFFFFC0 |
| 1A | 80000000 | FFFFFFE0 |
| 1B | 80000000 | FFFFFFF0 |
| 1C | 80000000 | FFFFFFF8 |
| 1D | 80000000 | FFFFFFFC |
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| 0F | 80000000 | FFFF0000 |
| 10 | 80000000 | FFFF8000 |
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| 12 | 80000000 | FFFFE000 |
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| 18 | 80000000 | FFFFFF80 |
| 19 | 80000000 | FFFFFFC0 |
| 1A | 80000000 | FFFFFFE0 |
| 1B | 80000000 | FFFFFFF0 |
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| 1D | 80000000 | FFFFFFFC |
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| 0F | 80000000 | FFFF0000 |
| 10 | 80000000 | FFFF8000 |
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| 1D | 80000000 | FFFFFFFC |
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| 19 | 80000000 | FFFFFFC0 |
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| 1B | 80000000 | FFFFFFF0 |
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| 1D | 80000000 | FFFFFFFC |
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| 0F | 80000000 | FFFF0000 |
| 10 | 80000000 | FFFF8000 |
| 11 | 80000000 | FFFFC000 |
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| 19 | 80000000 | FFFFFFC0 |
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| 1B | 80000000 | FFFFFFF0 |
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| 1D | 80000000 | FFFFFFFC |
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| 8  | 80000000 | FF800000 |
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| 0A | 80000000 | FFE00000 |
| 0B | 80000000 | FFF00000 |
| 0C | 80000000 | FFF80000 |
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| 10 | 80000000 | FFFF8000 |
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|    |          |          |

## IDEAL

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| 17 | 80000000 | FFFFF00  |
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| 1A | 80000000 | FFFFFE0  |
| 1B | 80000000 | FFFFFF0  |
| 1C | 80000000 | FFFFFF8  |
| 1D | 80000000 | FFFFFFC  |
| 1E | 80000000 | FFFFFFE  |
| 1F | 80000000 | FFFFFFF  |
|    |          |          |