

| length | align1 | align2 | result | | memcmpeq | memcmp |
|--------|--------|--------|--------|----------------------|----------|--------|
| 1 | 1 | 1 | 1 | 0 | 0.668 | 0.652 |
| 1 | 1 | 1 | 1 | 1 | 0.665 | 0.814 |
| 1 | 1 | 1 | 1 | 18446744073709551615 | 0.664 | 0.824 |
| 2 | 2 | 2 | 2 | 0 | 0.803 | 0.758 |
| 2 | 2 | 2 | 2 | 1 | 0.803 | 0.812 |
| 2 | 2 | 2 | 2 | 18446744073709551615 | 0.808 | 0.821 |
| 3 | 3 | 3 | 3 | 0 | 0.81 | 0.786 |
| 3 | 3 | 3 | 3 | 1 | 0.808 | 0.817 |
| 3 | 3 | 3 | 3 | 18446744073709551615 | 0.808 | 0.847 |
| 4 | 4 | 4 | 4 | 0 | 0.808 | 0.807 |
| 4 | 4 | 4 | 4 | 1 | 0.837 | 0.818 |
| 4 | 4 | 4 | 4 | 18446744073709551615 | 0.805 | 0.835 |
| 5 | 5 | 5 | 5 | 0 | 0.808 | 0.775 |
| 5 | 5 | 5 | 5 | 1 | 0.821 | 0.819 |
| 5 | 5 | 5 | 5 | 18446744073709551615 | 0.805 | 0.829 |
| 6 | 6 | 6 | 6 | 0 | 0.801 | 0.786 |
| 6 | 6 | 6 | 6 | 1 | 0.787 | 0.845 |
| 6 | 6 | 6 | 6 | 18446744073709551615 | 0.804 | 0.82 |
| 7 | 7 | 7 | 7 | 0 | 0.809 | 0.775 |
| 7 | 7 | 7 | 7 | 1 | 0.797 | 0.847 |
| 7 | 7 | 7 | 7 | 18446744073709551615 | 0.81 | 0.817 |
| 8 | 8 | 8 | 8 | 0 | 0.811 | 0.789 |
| 8 | 8 | 8 | 8 | 1 | 0.812 | 0.826 |
| 8 | 8 | 8 | 8 | 18446744073709551615 | 0.805 | 0.826 |
| 9 | 9 | 9 | 9 | 0 | 0.8 | 0.775 |
| 9 | 9 | 9 | 9 | 1 | 0.806 | 0.814 |
| 9 | 9 | 9 | 9 | 18446744073709551615 | 0.803 | 0.821 |
| 10 | 10 | 10 | 10 | 0 | 0.805 | 0.784 |
| 10 | 10 | 10 | 10 | 1 | 0.804 | 0.827 |
| 10 | 10 | 10 | 10 | 18446744073709551615 | 0.798 | 0.818 |

| | | | | | | |
|----|----|----|----------------------|--|-------|-------|
| 11 | 11 | 11 | 0 | | 0.797 | 0.771 |
| 11 | 11 | 11 | 1 | | 0.798 | 0.808 |
| 11 | 11 | 11 | 18446744073709551615 | | 0.802 | 0.831 |
| 12 | 12 | 12 | 0 | | 0.814 | 0.787 |
| 12 | 12 | 12 | 1 | | 0.81 | 0.819 |
| 12 | 12 | 12 | 18446744073709551615 | | 0.804 | 0.824 |
| 13 | 13 | 13 | 0 | | 0.812 | 0.782 |
| 13 | 13 | 13 | 1 | | 0.808 | 0.824 |
| 13 | 13 | 13 | 18446744073709551615 | | 0.814 | 0.818 |
| 14 | 14 | 14 | 0 | | 0.82 | 0.774 |
| 14 | 14 | 14 | 1 | | 0.81 | 0.821 |
| 14 | 14 | 14 | 18446744073709551615 | | 0.806 | 0.783 |
| 15 | 15 | 15 | 0 | | 0.814 | 0.754 |
| 15 | 15 | 15 | 1 | | 0.808 | 0.781 |
| 15 | 15 | 15 | 18446744073709551615 | | 0.809 | 0.79 |
| 16 | 16 | 16 | 0 | | 0.814 | 0.765 |
| 16 | 16 | 16 | 1 | | 0.807 | 0.783 |
| 16 | 16 | 16 | 18446744073709551615 | | 0.808 | 0.781 |
| 17 | 17 | 17 | 0 | | 0.807 | 0.728 |
| 17 | 17 | 17 | 1 | | 0.808 | 0.811 |
| 17 | 17 | 17 | 18446744073709551615 | | 0.809 | 0.819 |
| 18 | 18 | 18 | 0 | | 0.802 | 0.777 |
| 18 | 18 | 18 | 1 | | 0.805 | 0.818 |
| 18 | 18 | 18 | 18446744073709551615 | | 0.809 | 0.816 |
| 19 | 19 | 19 | 0 | | 0.808 | 0.787 |
| 19 | 19 | 19 | 1 | | 0.809 | 0.829 |
| 19 | 19 | 19 | 18446744073709551615 | | 0.811 | 0.831 |
| 20 | 20 | 20 | 0 | | 0.81 | 0.778 |
| 20 | 20 | 20 | 1 | | 0.803 | 0.818 |
| 20 | 20 | 20 | 18446744073709551615 | | 0.806 | 0.808 |
| 21 | 21 | 21 | 0 | | 0.807 | 0.783 |

| | | | | | | |
|----|----|----|----------------------|--|-------|-------|
| 21 | 21 | 21 | 1 | | 0.812 | 0.822 |
| 21 | 21 | 21 | 18446744073709551615 | | 0.809 | 0.827 |
| 22 | 22 | 22 | 0 | | 0.805 | 0.783 |
| 22 | 22 | 22 | 1 | | 0.807 | 0.82 |
| 22 | 22 | 22 | 18446744073709551615 | | 0.796 | 0.815 |
| 23 | 23 | 23 | 0 | | 0.812 | 0.758 |
| 23 | 23 | 23 | 1 | | 0.814 | 0.819 |
| 23 | 23 | 23 | 18446744073709551615 | | 0.806 | 0.818 |
| 24 | 24 | 24 | 0 | | 0.808 | 0.766 |
| 24 | 24 | 24 | 1 | | 0.802 | 0.83 |
| 24 | 24 | 24 | 18446744073709551615 | | 0.807 | 0.817 |
| 25 | 25 | 25 | 0 | | 0.805 | 0.787 |
| 25 | 25 | 25 | 1 | | 0.802 | 0.814 |
| 25 | 25 | 25 | 18446744073709551615 | | 0.801 | 0.821 |
| 26 | 26 | 26 | 0 | | 0.82 | 0.769 |
| 26 | 26 | 26 | 1 | | 0.821 | 0.806 |
| 26 | 26 | 26 | 18446744073709551615 | | 0.818 | 0.805 |
| 27 | 27 | 27 | 0 | | 0.803 | 0.739 |
| 27 | 27 | 27 | 1 | | 0.803 | 0.803 |
| 27 | 27 | 27 | 18446744073709551615 | | 0.801 | 0.807 |
| 28 | 28 | 28 | 0 | | 0.803 | 0.772 |
| 28 | 28 | 28 | 1 | | 0.818 | 0.811 |
| 28 | 28 | 28 | 18446744073709551615 | | 0.803 | 0.843 |
| 29 | 29 | 29 | 0 | | 0.805 | 0.774 |
| 29 | 29 | 29 | 1 | | 0.805 | 0.822 |
| 29 | 29 | 29 | 18446744073709551615 | | 0.805 | 0.822 |
| 30 | 30 | 30 | 0 | | 0.809 | 0.769 |
| 30 | 30 | 30 | 1 | | 0.81 | 0.813 |
| 30 | 30 | 30 | 18446744073709551615 | | 0.799 | 0.826 |
| 31 | 31 | 31 | 0 | | 0.81 | 0.775 |
| 31 | 31 | 31 | 1 | | 0.81 | 0.813 |

| | | | | | | |
|----|------|----|----------------------|--|-------|-------|
| 31 | 31 | 31 | 18446744073709551615 | | 0.802 | 0.815 |
| 1 | 0 | 0 | 0 | | 0.667 | 0.655 |
| 1 | 0 | 0 | 1 | | 0.672 | 0.821 |
| 1 | 0 | 0 | 18446744073709551615 | | 0.669 | 0.824 |
| 1 | 4095 | 0 | 0 | | 0.741 | 0.655 |
| 1 | 4095 | 0 | 1 | | 0.745 | 0.822 |
| 1 | 4095 | 0 | 18446744073709551615 | | 0.743 | 0.84 |
| 2 | 0 | 0 | 0 | | 0.807 | 0.775 |
| 2 | 0 | 0 | 1 | | 0.801 | 0.808 |
| 2 | 0 | 0 | 18446744073709551615 | | 0.808 | 0.82 |
| 2 | 4094 | 0 | 0 | | 0.639 | 0.494 |
| 2 | 4094 | 0 | 1 | | 0.631 | 0.618 |
| 2 | 4094 | 0 | 18446744073709551615 | | 0.642 | 0.617 |
| 3 | 0 | 0 | 0 | | 0.81 | 0.774 |
| 3 | 0 | 0 | 1 | | 0.803 | 0.787 |
| 3 | 0 | 0 | 18446744073709551615 | | 0.803 | 0.82 |
| 3 | 4093 | 0 | 0 | | 0.637 | 0.49 |
| 3 | 4093 | 0 | 1 | | 0.629 | 0.613 |
| 3 | 4093 | 0 | 18446744073709551615 | | 0.63 | 0.611 |
| 4 | 0 | 0 | 0 | | 0.813 | 0.768 |
| 4 | 0 | 0 | 1 | | 0.81 | 0.809 |
| 4 | 0 | 0 | 18446744073709551615 | | 0.829 | 0.804 |
| 4 | 4092 | 0 | 0 | | 0.711 | 0.493 |
| 4 | 4092 | 0 | 1 | | 0.735 | 0.621 |
| 4 | 4092 | 0 | 18446744073709551615 | | 0.728 | 0.618 |
| 5 | 0 | 0 | 0 | | 0.806 | 0.769 |
| 5 | 0 | 0 | 1 | | 0.806 | 0.794 |
| 5 | 0 | 0 | 18446744073709551615 | | 0.802 | 0.808 |
| 5 | 4091 | 0 | 0 | | 0.739 | 0.484 |
| 5 | 4091 | 0 | 1 | | 0.736 | 0.608 |
| 5 | 4091 | 0 | 18446744073709551615 | | 0.737 | 0.615 |

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|----|------|---|----------------------|--|-------|-------|
| 6 | 0 | 0 | 0 | | 0.808 | 0.797 |
| 6 | 0 | 0 | 1 | | 0.811 | 0.833 |
| 6 | 0 | 0 | 18446744073709551615 | | 0.809 | 0.839 |
| 6 | 4090 | 0 | 0 | | 0.736 | 0.498 |
| 6 | 4090 | 0 | 1 | | 0.756 | 0.624 |
| 6 | 4090 | 0 | 18446744073709551615 | | 0.749 | 0.627 |
| 7 | 0 | 0 | 0 | | 0.816 | 0.776 |
| 7 | 0 | 0 | 1 | | 0.816 | 0.803 |
| 7 | 0 | 0 | 18446744073709551615 | | 0.806 | 0.816 |
| 7 | 4089 | 0 | 0 | | 0.745 | 0.489 |
| 7 | 4089 | 0 | 1 | | 0.756 | 0.615 |
| 7 | 4089 | 0 | 18446744073709551615 | | 0.747 | 0.617 |
| 8 | 0 | 0 | 0 | | 0.806 | 0.791 |
| 8 | 0 | 0 | 1 | | 0.806 | 0.821 |
| 8 | 0 | 0 | 18446744073709551615 | | 0.812 | 0.816 |
| 8 | 4088 | 0 | 0 | | 0.724 | 0.562 |
| 8 | 4088 | 0 | 1 | | 0.724 | 0.615 |
| 8 | 4088 | 0 | 18446744073709551615 | | 0.725 | 0.615 |
| 9 | 0 | 0 | 0 | | 0.805 | 0.775 |
| 9 | 0 | 0 | 1 | | 0.801 | 0.805 |
| 9 | 0 | 0 | 18446744073709551615 | | 0.794 | 0.81 |
| 9 | 4087 | 0 | 0 | | 0.633 | 0.559 |
| 9 | 4087 | 0 | 1 | | 0.64 | 0.61 |
| 9 | 4087 | 0 | 18446744073709551615 | | 0.639 | 0.616 |
| 10 | 0 | 0 | 0 | | 0.808 | 0.767 |
| 10 | 0 | 0 | 1 | | 0.805 | 0.816 |
| 10 | 0 | 0 | 18446744073709551615 | | 0.8 | 0.819 |
| 10 | 4086 | 0 | 0 | | 0.635 | 0.566 |
| 10 | 4086 | 0 | 1 | | 0.637 | 0.616 |
| 10 | 4086 | 0 | 18446744073709551615 | | 0.635 | 0.618 |
| 11 | 0 | 0 | 0 | | 0.805 | 0.774 |

| | | | | | | |
|----|------|---|----------------------|--|-------|-------|
| 11 | 0 | 0 | 1 | | 0.807 | 0.796 |
| 11 | 0 | 0 | 18446744073709551615 | | 0.81 | 0.816 |
| 11 | 4085 | 0 | 0 | | 0.639 | 0.562 |
| 11 | 4085 | 0 | 1 | | 0.633 | 0.612 |
| 11 | 4085 | 0 | 18446744073709551615 | | 0.637 | 0.613 |
| 12 | 0 | 0 | 0 | | 0.814 | 0.786 |
| 12 | 0 | 0 | 1 | | 0.809 | 0.804 |
| 12 | 0 | 0 | 18446744073709551615 | | 0.81 | 0.805 |
| 12 | 4084 | 0 | 0 | | 0.639 | 0.553 |
| 12 | 4084 | 0 | 1 | | 0.639 | 0.593 |
| 12 | 4084 | 0 | 18446744073709551615 | | 0.636 | 0.612 |
| 13 | 0 | 0 | 0 | | 0.812 | 0.775 |
| 13 | 0 | 0 | 1 | | 0.815 | 0.819 |
| 13 | 0 | 0 | 18446744073709551615 | | 0.812 | 0.82 |
| 13 | 4083 | 0 | 0 | | 0.64 | 0.566 |
| 13 | 4083 | 0 | 1 | | 0.64 | 0.618 |
| 13 | 4083 | 0 | 18446744073709551615 | | 0.634 | 0.621 |
| 14 | 0 | 0 | 0 | | 0.808 | 0.773 |
| 14 | 0 | 0 | 1 | | 0.811 | 0.829 |
| 14 | 0 | 0 | 18446744073709551615 | | 0.805 | 0.824 |
| 14 | 4082 | 0 | 0 | | 0.639 | 0.569 |
| 14 | 4082 | 0 | 1 | | 0.635 | 0.622 |
| 14 | 4082 | 0 | 18446744073709551615 | | 0.649 | 0.614 |
| 15 | 0 | 0 | 0 | | 0.799 | 0.778 |
| 15 | 0 | 0 | 1 | | 0.799 | 0.822 |
| 15 | 0 | 0 | 18446744073709551615 | | 0.8 | 0.808 |
| 15 | 4081 | 0 | 0 | | 0.651 | 0.557 |
| 15 | 4081 | 0 | 1 | | 0.644 | 0.619 |
| 15 | 4081 | 0 | 18446744073709551615 | | 0.642 | 0.62 |
| 16 | 0 | 0 | 0 | | 0.81 | 0.775 |
| 16 | 0 | 0 | 1 | | 0.812 | 0.811 |

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|----|------|---|----------------------|--|-------|-------|
| 16 | 0 | 0 | 18446744073709551615 | | 0.816 | 0.795 |
| 16 | 4080 | 0 | 0 | | 0.655 | 0.565 |
| 16 | 4080 | 0 | 1 | | 0.642 | 0.614 |
| 16 | 4080 | 0 | 18446744073709551615 | | 0.664 | 0.617 |
| 17 | 0 | 0 | 0 | | 0.831 | 0.753 |
| 17 | 0 | 0 | 1 | | 0.836 | 0.8 |
| 17 | 0 | 0 | 18446744073709551615 | | 0.833 | 0.821 |
| 17 | 4079 | 0 | 0 | | 0.666 | 0.564 |
| 17 | 4079 | 0 | 1 | | 0.641 | 0.62 |
| 17 | 4079 | 0 | 18446744073709551615 | | 0.646 | 0.632 |
| 18 | 0 | 0 | 0 | | 0.816 | 0.796 |
| 18 | 0 | 0 | 1 | | 0.816 | 0.83 |
| 18 | 0 | 0 | 18446744073709551615 | | 0.815 | 0.826 |
| 18 | 4078 | 0 | 0 | | 0.641 | 0.563 |
| 18 | 4078 | 0 | 1 | | 0.64 | 0.617 |
| 18 | 4078 | 0 | 18446744073709551615 | | 0.642 | 0.617 |
| 19 | 0 | 0 | 0 | | 0.807 | 0.747 |
| 19 | 0 | 0 | 1 | | 0.799 | 0.808 |
| 19 | 0 | 0 | 18446744073709551615 | | 0.799 | 0.81 |
| 19 | 4077 | 0 | 0 | | 0.641 | 0.559 |
| 19 | 4077 | 0 | 1 | | 0.648 | 0.615 |
| 19 | 4077 | 0 | 18446744073709551615 | | 0.646 | 0.615 |
| 20 | 0 | 0 | 0 | | 0.814 | 0.775 |
| 20 | 0 | 0 | 1 | | 0.812 | 0.818 |
| 20 | 0 | 0 | 18446744073709551615 | | 0.811 | 0.814 |
| 20 | 4076 | 0 | 0 | | 0.643 | 0.574 |
| 20 | 4076 | 0 | 1 | | 0.637 | 0.62 |
| 20 | 4076 | 0 | 18446744073709551615 | | 0.636 | 0.622 |
| 21 | 0 | 0 | 0 | | 0.801 | 0.771 |
| 21 | 0 | 0 | 1 | | 0.812 | 0.828 |
| 21 | 0 | 0 | 18446744073709551615 | | 0.806 | 0.823 |

| | | | | | | |
|----|------|---|----------------------|--|-------|-------|
| 21 | 4075 | 0 | 0 | | 0.639 | 0.563 |
| 21 | 4075 | 0 | 1 | | 0.648 | 0.609 |
| 21 | 4075 | 0 | 18446744073709551615 | | 0.64 | 0.613 |
| 22 | 0 | 0 | 0 | | 0.81 | 0.772 |
| 22 | 0 | 0 | 1 | | 0.808 | 0.816 |
| 22 | 0 | 0 | 18446744073709551615 | | 0.835 | 0.802 |
| 22 | 4074 | 0 | 0 | | 0.657 | 0.558 |
| 22 | 4074 | 0 | 1 | | 0.658 | 0.613 |
| 22 | 4074 | 0 | 18446744073709551615 | | 0.638 | 0.61 |
| 23 | 0 | 0 | 0 | | 0.803 | 0.774 |
| 23 | 0 | 0 | 1 | | 0.802 | 0.818 |
| 23 | 0 | 0 | 18446744073709551615 | | 0.804 | 0.82 |
| 23 | 4073 | 0 | 0 | | 0.633 | 0.561 |
| 23 | 4073 | 0 | 1 | | 0.634 | 0.611 |
| 23 | 4073 | 0 | 18446744073709551615 | | 0.633 | 0.612 |
| 24 | 0 | 0 | 0 | | 0.804 | 0.777 |
| 24 | 0 | 0 | 1 | | 0.809 | 0.806 |
| 24 | 0 | 0 | 18446744073709551615 | | 0.806 | 0.814 |
| 24 | 4072 | 0 | 0 | | 0.649 | 0.559 |
| 24 | 4072 | 0 | 1 | | 0.657 | 0.611 |
| 24 | 4072 | 0 | 18446744073709551615 | | 0.65 | 0.615 |
| 25 | 0 | 0 | 0 | | 0.815 | 0.774 |
| 25 | 0 | 0 | 1 | | 0.81 | 0.799 |
| 25 | 0 | 0 | 18446744073709551615 | | 0.803 | 0.818 |
| 25 | 4071 | 0 | 0 | | 0.646 | 0.551 |
| 25 | 4071 | 0 | 1 | | 0.648 | 0.6 |
| 25 | 4071 | 0 | 18446744073709551615 | | 0.646 | 0.608 |
| 26 | 0 | 0 | 0 | | 0.818 | 0.755 |
| 26 | 0 | 0 | 1 | | 0.814 | 0.802 |
| 26 | 0 | 0 | 18446744073709551615 | | 0.811 | 0.798 |
| 26 | 4070 | 0 | 0 | | 0.639 | 0.55 |

| | | | | | | |
|----|------|---|----------------------|--|-------|-------|
| 26 | 4070 | 0 | 1 | | 0.644 | 0.612 |
| 26 | 4070 | 0 | 18446744073709551615 | | 0.646 | 0.611 |
| 27 | 0 | 0 | 0 | | 0.82 | 0.771 |
| 27 | 0 | 0 | 1 | | 0.816 | 0.824 |
| 27 | 0 | 0 | 18446744073709551615 | | 0.806 | 0.827 |
| 27 | 4069 | 0 | 0 | | 0.646 | 0.563 |
| 27 | 4069 | 0 | 1 | | 0.644 | 0.621 |
| 27 | 4069 | 0 | 18446744073709551615 | | 0.649 | 0.622 |
| 28 | 0 | 0 | 0 | | 0.821 | 0.79 |
| 28 | 0 | 0 | 1 | | 0.823 | 0.82 |
| 28 | 0 | 0 | 18446744073709551615 | | 0.822 | 0.809 |
| 28 | 4068 | 0 | 0 | | 0.62 | 0.561 |
| 28 | 4068 | 0 | 1 | | 0.639 | 0.604 |
| 28 | 4068 | 0 | 18446744073709551615 | | 0.644 | 0.603 |
| 29 | 0 | 0 | 0 | | 0.808 | 0.779 |
| 29 | 0 | 0 | 1 | | 0.808 | 0.798 |
| 29 | 0 | 0 | 18446744073709551615 | | 0.814 | 0.825 |
| 29 | 4067 | 0 | 0 | | 0.636 | 0.558 |
| 29 | 4067 | 0 | 1 | | 0.634 | 0.61 |
| 29 | 4067 | 0 | 18446744073709551615 | | 0.639 | 0.614 |
| 30 | 0 | 0 | 0 | | 0.815 | 0.765 |
| 30 | 0 | 0 | 1 | | 0.816 | 0.792 |
| 30 | 0 | 0 | 18446744073709551615 | | 0.814 | 0.812 |
| 30 | 4066 | 0 | 0 | | 0.635 | 0.556 |
| 30 | 4066 | 0 | 1 | | 0.634 | 0.609 |
| 30 | 4066 | 0 | 18446744073709551615 | | 0.64 | 0.607 |
| 31 | 0 | 0 | 0 | | 0.82 | 0.758 |
| 31 | 0 | 0 | 1 | | 0.818 | 0.794 |
| 31 | 0 | 0 | 18446744073709551615 | | 0.806 | 0.81 |
| 31 | 4065 | 0 | 0 | | 0.634 | 0.556 |
| 31 | 4065 | 0 | 1 | | 0.634 | 0.606 |

| | | | | | | |
|-----|------|-----|----------------------|--|-------|-------|
| 31 | 4065 | 0 | 18446744073709551615 | | 0.635 | 0.61 |
| 33 | 0 | 0 | 0 | | 1.214 | 1.174 |
| 33 | 0 | 0 | 1 | | 1.209 | 1.138 |
| 33 | 0 | 0 | 18446744073709551615 | | 1.195 | 1.14 |
| 33 | 33 | 0 | 0 | | 1.199 | 1.17 |
| 33 | 0 | 33 | 1 | | 1.211 | 1.144 |
| 33 | 33 | 33 | 18446744073709551615 | | 1.225 | 1.133 |
| 65 | 0 | 0 | 0 | | 1 | 1.12 |
| 65 | 0 | 0 | 1 | | 0.998 | 1.127 |
| 65 | 0 | 0 | 18446744073709551615 | | 1.041 | 1.1 |
| 65 | 65 | 0 | 0 | | 1.027 | 1.168 |
| 65 | 0 | 65 | 1 | | 1.074 | 1.119 |
| 65 | 65 | 65 | 18446744073709551615 | | 1.072 | 1.121 |
| 97 | 0 | 0 | 0 | | 1.031 | 1.116 |
| 97 | 0 | 0 | 1 | | 1.01 | 1.12 |
| 97 | 0 | 0 | 18446744073709551615 | | 1.058 | 1.125 |
| 97 | 97 | 0 | 0 | | 1.004 | 1.117 |
| 97 | 0 | 97 | 1 | | 0.996 | 1.106 |
| 97 | 97 | 97 | 18446744073709551615 | | 0.984 | 1.12 |
| 129 | 0 | 0 | 0 | | 0.993 | 0.979 |
| 129 | 0 | 0 | 1 | | 1.015 | 1.022 |
| 129 | 0 | 0 | 18446744073709551615 | | 1.01 | 0.999 |
| 129 | 129 | 0 | 0 | | 1.01 | 0.978 |
| 129 | 0 | 129 | 1 | | 1.007 | 1.005 |
| 129 | 129 | 129 | 18446744073709551615 | | 1.011 | 0.99 |
| 161 | 0 | 0 | 0 | | 0.986 | 0.997 |
| 161 | 0 | 0 | 1 | | 1.002 | 0.992 |
| 161 | 0 | 0 | 18446744073709551615 | | 1.031 | 0.993 |
| 161 | 161 | 0 | 0 | | 1 | 0.983 |
| 161 | 0 | 161 | 1 | | 1.006 | 0.984 |
| 161 | 161 | 161 | 18446744073709551615 | | 1.027 | 0.965 |

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|-----|-----|-----|----------------------|--|--|-------|-------|
| 193 | 0 | 0 | 0 | | | 1.019 | 0.999 |
| 193 | 0 | 0 | 1 | | | 1.03 | 1.01 |
| 193 | 0 | 0 | 18446744073709551615 | | | 1.014 | 0.982 |
| 193 | 193 | 0 | 0 | | | 1.019 | 1.006 |
| 193 | 0 | 193 | 1 | | | 1.02 | 1.009 |
| 193 | 193 | 193 | 18446744073709551615 | | | 1.008 | 1.016 |
| 225 | 0 | 0 | 0 | | | 1.008 | 0.986 |
| 225 | 0 | 0 | 1 | | | 1.018 | 0.992 |
| 225 | 0 | 0 | 18446744073709551615 | | | 1.015 | 0.995 |
| 225 | 225 | 0 | 0 | | | 1.014 | 1.009 |
| 225 | 0 | 225 | 1 | | | 1.009 | 0.935 |
| 225 | 225 | 225 | 18446744073709551615 | | | 1.008 | 1.009 |
| 257 | 0 | 0 | 0 | | | 0.995 | 0.956 |
| 257 | 0 | 0 | 1 | | | 1.017 | 0.95 |
| 257 | 0 | 0 | 18446744073709551615 | | | 1.01 | 0.962 |
| 257 | 257 | 0 | 0 | | | 1.033 | 1.047 |
| 257 | 0 | 257 | 1 | | | 1.024 | 1.013 |
| 257 | 257 | 257 | 18446744073709551615 | | | 1.018 | 1.037 |
| 289 | 0 | 0 | 0 | | | 1.027 | 0.957 |
| 289 | 0 | 0 | 1 | | | 1.033 | 0.943 |
| 289 | 0 | 0 | 18446744073709551615 | | | 1.001 | 0.972 |
| 289 | 289 | 0 | 0 | | | 0.999 | 1.05 |
| 289 | 0 | 289 | 1 | | | 1.015 | 0.985 |
| 289 | 289 | 289 | 18446744073709551615 | | | 1.019 | 1.006 |
| 321 | 0 | 0 | 0 | | | 1.026 | 0.983 |
| 321 | 0 | 0 | 1 | | | 1.026 | 0.988 |
| 321 | 0 | 0 | 18446744073709551615 | | | 1.015 | 0.965 |
| 321 | 321 | 0 | 0 | | | 0.996 | 1.02 |
| 321 | 0 | 321 | 1 | | | 0.983 | 0.987 |
| 321 | 321 | 321 | 18446744073709551615 | | | 1.004 | 1.01 |
| 353 | 0 | 0 | 0 | | | 1.031 | 0.986 |

| | | | | | | |
|-----|-----|-----|----------------------|--|-------|-------|
| 353 | 0 | 0 | 1 | | 1.015 | 0.977 |
| 353 | 0 | 0 | 18446744073709551615 | | 1.009 | 0.99 |
| 353 | 353 | 0 | 0 | | 1.019 | 1.017 |
| 353 | 0 | 353 | 1 | | 1.014 | 1.004 |
| 353 | 353 | 353 | 18446744073709551615 | | 1.011 | 0.99 |
| 32 | 7 | 2 | 0 | | 0.826 | 0.784 |
| 32 | 0 | 0 | 0 | | 0.817 | 0.785 |
| 32 | 0 | 0 | 1 | | 0.822 | 0.972 |
| 32 | 0 | 0 | 18446744073709551615 | | 0.806 | 0.976 |
| 4 | 1 | 0 | 0 | | 0.811 | 0.76 |
| 4 | 0 | 1 | 1 | | 0.816 | 0.809 |
| 4 | 1 | 1 | 18446744073709551615 | | 0.818 | 0.81 |
| 32 | 1 | 0 | 0 | | 0.819 | 0.782 |
| 32 | 0 | 1 | 1 | | 0.801 | 0.97 |
| 32 | 1 | 1 | 18446744073709551615 | | 0.801 | 0.978 |
| 64 | 6 | 4 | 0 | | 1.221 | 1.17 |
| 64 | 0 | 0 | 0 | | 1.164 | 1.125 |
| 64 | 0 | 0 | 1 | | 1.174 | 1.122 |
| 64 | 0 | 0 | 18446744073709551615 | | 1.185 | 1.147 |
| 8 | 2 | 0 | 0 | | 0.801 | 0.772 |
| 8 | 0 | 2 | 1 | | 0.806 | 0.803 |
| 8 | 2 | 2 | 18446744073709551615 | | 0.81 | 0.805 |
| 64 | 2 | 0 | 0 | | 1.205 | 1.155 |
| 64 | 0 | 2 | 1 | | 1.215 | 1.121 |
| 64 | 2 | 2 | 18446744073709551615 | | 1.208 | 1.119 |
| 128 | 5 | 6 | 0 | | 0.994 | 1.082 |
| 128 | 0 | 0 | 0 | | 1.059 | 1.127 |
| 128 | 0 | 0 | 1 | | 1.015 | 1.104 |
| 128 | 0 | 0 | 18446744073709551615 | | 1.048 | 1.116 |
| 16 | 3 | 0 | 0 | | 0.799 | 0.764 |
| 16 | 0 | 3 | 1 | | 0.805 | 0.816 |

| | | | | | | |
|------|---|----|----------------------|--|-------|-------|
| 16 | 3 | 3 | 18446744073709551615 | | 0.81 | 0.816 |
| 128 | 3 | 0 | 0 | | 1.017 | 1.112 |
| 128 | 0 | 3 | 1 | | 0.989 | 1.11 |
| 128 | 3 | 3 | 18446744073709551615 | | 1.017 | 1.107 |
| 256 | 4 | 8 | 0 | | 1 | 0.98 |
| 256 | 0 | 0 | 0 | | 1.058 | 0.992 |
| 256 | 0 | 0 | 1 | | 1.054 | 1.014 |
| 256 | 0 | 0 | 18446744073709551615 | | 1.058 | 0.997 |
| 32 | 4 | 0 | 0 | | 0.778 | 0.739 |
| 32 | 0 | 4 | 1 | | 0.821 | 0.947 |
| 32 | 4 | 4 | 18446744073709551615 | | 0.826 | 0.957 |
| 256 | 4 | 0 | 0 | | 1.027 | 0.972 |
| 256 | 0 | 4 | 1 | | 1.017 | 0.993 |
| 256 | 4 | 4 | 18446744073709551615 | | 1.02 | 0.978 |
| 512 | 3 | 10 | 0 | | 1.015 | 1.001 |
| 512 | 0 | 0 | 0 | | 1.022 | 1.002 |
| 512 | 0 | 0 | 1 | | 1.014 | 1.007 |
| 512 | 0 | 0 | 18446744073709551615 | | 1.003 | 0.992 |
| 64 | 5 | 0 | 0 | | 1.078 | 1.109 |
| 64 | 0 | 5 | 1 | | 1.127 | 1.091 |
| 64 | 5 | 5 | 18446744073709551615 | | 1.167 | 1.092 |
| 512 | 5 | 0 | 0 | | 1.022 | 0.994 |
| 512 | 0 | 5 | 1 | | 1.012 | 0.999 |
| 512 | 5 | 5 | 18446744073709551615 | | 1 | 1.005 |
| 1024 | 2 | 12 | 0 | | 1.021 | 0.978 |
| 1024 | 0 | 0 | 0 | | 1.01 | 0.988 |
| 1024 | 0 | 0 | 1 | | 1.007 | 0.977 |
| 1024 | 0 | 0 | 18446744073709551615 | | 1.013 | 0.971 |
| 128 | 6 | 0 | 0 | | 1.029 | 1.117 |
| 128 | 0 | 6 | 1 | | 1.02 | 1.115 |
| 128 | 6 | 6 | 18446744073709551615 | | 1.011 | 1.12 |

| | | | | | | |
|------|---|----|----------------------|--|-------|-------|
| 1024 | 6 | 0 | 0 | | 0.987 | 0.984 |
| 1024 | 0 | 6 | 1 | | 1.007 | 0.987 |
| 1024 | 6 | 6 | 18446744073709551615 | | 1.011 | 0.937 |
| 2048 | 1 | 14 | 0 | | 1.027 | 0.976 |
| 2048 | 0 | 0 | 0 | | 1.008 | 0.985 |
| 2048 | 0 | 0 | 1 | | 1.004 | 0.984 |
| 2048 | 0 | 0 | 18446744073709551615 | | 1.017 | 0.989 |
| 256 | 7 | 0 | 0 | | 1.025 | 0.978 |
| 256 | 0 | 7 | 1 | | 1.018 | 1.036 |
| 256 | 7 | 7 | 18446744073709551615 | | 1.01 | 0.992 |
| 2048 | 7 | 0 | 0 | | 0.989 | 0.97 |
| 2048 | 0 | 7 | 1 | | 1.011 | 0.988 |
| 2048 | 7 | 7 | 18446744073709551615 | | 1.018 | 0.971 |
| 4096 | 0 | 16 | 0 | | 1.014 | 0.982 |
| 4096 | 0 | 0 | 0 | | 1.013 | 0.978 |
| 4096 | 0 | 0 | 1 | | 1.017 | 1.005 |
| 4096 | 0 | 0 | 18446744073709551615 | | 1.003 | 1.015 |
| 512 | 8 | 0 | 0 | | 1.008 | 1.006 |
| 512 | 0 | 8 | 1 | | 1.03 | 1.015 |
| 512 | 8 | 8 | 18446744073709551615 | | 1.017 | 0.984 |
| 4096 | 8 | 0 | 0 | | 1.021 | 0.98 |
| 4096 | 0 | 8 | 1 | | 1.012 | 0.986 |
| 4096 | 8 | 8 | 18446744073709551615 | | 0.99 | 1.028 |
| 1024 | 9 | 0 | 0 | | 1.006 | 0.992 |
| 1024 | 0 | 9 | 1 | | 1.02 | 0.969 |
| 1024 | 9 | 9 | 18446744073709551615 | | 1.011 | 0.974 |
| 16 | 1 | 2 | 0 | | 0.801 | 0.769 |
| 16 | 1 | 2 | 1 | | 0.802 | 0.817 |
| 16 | 1 | 2 | 18446744073709551615 | | 0.802 | 0.818 |
| 32 | 2 | 4 | 0 | | 0.819 | 0.789 |
| 32 | 2 | 4 | 1 | | 0.808 | 0.992 |

| | | | | | | |
|------|---|----|----------------------|--|-------|-------|
| 32 | 2 | 4 | 18446744073709551615 | | 0.81 | 0.983 |
| 64 | 3 | 6 | 0 | | 1.22 | 1.175 |
| 64 | 3 | 6 | 1 | | 1.189 | 1.131 |
| 64 | 3 | 6 | 18446744073709551615 | | 1.125 | 1.136 |
| 128 | 4 | 8 | 0 | | 1.021 | 1.116 |
| 128 | 4 | 8 | 1 | | 1.025 | 1.119 |
| 128 | 4 | 8 | 18446744073709551615 | | 1.016 | 1.092 |
| 256 | 5 | 10 | 0 | | 1.001 | 0.993 |
| 256 | 5 | 10 | 1 | | 1.007 | 1.007 |
| 256 | 5 | 10 | 18446744073709551615 | | 1.008 | 0.993 |
| 512 | 6 | 12 | 0 | | 1.015 | 0.994 |
| 512 | 6 | 12 | 1 | | 1.035 | 0.962 |
| 512 | 6 | 12 | 18446744073709551615 | | 1.025 | 0.989 |
| 1024 | 7 | 14 | 0 | | 0.995 | 0.964 |
| 1024 | 7 | 14 | 1 | | 1.003 | 1.001 |
| 1024 | 7 | 14 | 18446744073709551615 | | 0.998 | 0.979 |
| 2048 | 8 | 16 | 0 | | 1.008 | 0.988 |
| 2048 | 8 | 16 | 1 | | 1.015 | 0.976 |
| 2048 | 8 | 16 | 18446744073709551615 | | 1.016 | 0.977 |
| 4096 | 9 | 18 | 0 | | 1.013 | 0.981 |
| 4096 | 9 | 18 | 1 | | 1.019 | 0.982 |
| 4096 | 9 | 18 | 18446744073709551615 | | 1.017 | 0.974 |