

$101_{(2)}$  を 10 進法で表しなさい

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1	0	1
$2^2$	$2^1$	$2^0$

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1	0	1
$2^2$	$2^1$	$2^0$

$$\begin{aligned} 101_{(2)} &= 1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0 \\ &= 1 \times 4 + 0 \times 2 + 1 \times 1 \\ &= 4 + 0 + 1 \\ &= 5 \quad \boxed{\text{答}} \end{aligned}$$

$1110_{(2)}$  を 10 進法で表しなさい

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1	1	1	0
$2^3$	$2^2$	$2^1$	$2^0$

# 1110<sub>(2)</sub> を 10 進法で表しなさい

1	1	1	0
2 <sup>3</sup>	2 <sup>2</sup>	2 <sup>1</sup>	2 <sup>0</sup>

$$\begin{aligned} 1110_{(2)} &= 1 \times 2^3 + 1 \times 2^2 + 1 \times 2^1 + 0 \times 2^0 \\ &= 1 \times 8 + 1 \times 4 + 1 \times 2 + 0 \times 1 \\ &= 8 + 4 + 2 + 0 \\ &= 14 \quad \boxed{\text{答}} \end{aligned}$$

$1011_{(2)}$  を 10 進法で表しなさい

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1	0	1	1
$2^3$	$2^2$	$2^1$	$2^0$



# $1011_{(2)}$ を 10 進法で表しなさい

1	0	1	1
$2^3$	$2^2$	$2^1$	$2^0$

$$\begin{aligned}1011_{(2)} &= 1 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 1 \times 2^0 \\ &= 1 \times 8 + 0 \times 4 + 1 \times 2 + 1 \times 1 \\ &= 8 + 0 + 2 + 1 \\ &= 11 \quad \boxed{\text{答}}\end{aligned}$$

$110101_{(2)}$  を 10 進法で表しなさい

110101<sub>(2)</sub> を 10 進法で表しなさい

1	1	0	1	0	1
$2^5$	$2^4$	$2^3$	$2^2$	$2^1$	$2^0$

110101<sub>(2)</sub> を 10 進法で表しなさい

1	1	0	1	0	1
2 <sup>5</sup>	2 <sup>4</sup>	2 <sup>3</sup>	2 <sup>2</sup>	2 <sup>1</sup>	2 <sup>0</sup>

$$\begin{aligned} & 1 \times 2^5 + 1 \times 2^4 + 0 \times 2^3 + 1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0 \\ = & 1 \times 32 + 1 \times 16 + 0 \times 8 + 1 \times 4 + 0 \times 2 + 1 \times 1 \\ = & 32 + 16 + 0 + 4 + 0 + 1 \\ = & 53 \quad \boxed{\text{答}} \end{aligned}$$