Mathematics for Computing

Adding Hexadecimal Numbers

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Adding Hexadecimal Numbers

Perform the following hexadecimal additions:

1. $(AF5)_{16} + (33C)_{16}$
2. $(A5E)_{16} + (B21)_{16}$
3. $(53B)_{16} + (FA7)_{16}$
4. $(BDE)_{16} + (A3C)_{16}$

Adding Hexadecimal Numbers

$$A\ F\ 5$$
$$3\ 3\ C$$

Dec	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

Adding Hexadecimal Numbers

$$A \; 5 \; E$$
$$B \; 2 \; 1$$

Dec	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

Adding Hexadecimal Numbers

$$5\ 3\ B$$

$$F\ A\ 7$$

Dec	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

Adding Hexadecimal Numbers

$$B \; D \; E$$
$$A \; 3 \; C$$

Dec	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F

Adding Hexadecimal Numbers

Dec	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Hex	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F