

MANUAL DE PRÁCTICAS



Nombre de la práctica	SUMA DE BINARIOS			No.	4
Asignatura:	MATEMATICAS DISCRETAS	Carrera:	ING. EN SISTEMAS COMPUTACIONALES	SALON	3101

I. Competencia(s) específica(s):

Comprender y conocer a detalle el tema de la suma de binarios, resolver los ejercicios de manera rápida y sin problemas, conocer sus aplicaciones en el mundo real y la gran importancia que implica entender su función en el mundo digital.

II. Lugar de realización de la práctica (laboratorio, taller, aula u otro):

Aula y hogar del alumno(a)

III. Material empleado:

Hojas, bolígrafo, lápiz, goma, sacapuntas, corrector, laptop

IV. Desarrollo de la práctica:

- Escribir los ejercicios en hojas blancas (guardando el espacio suficiente para resolverlos)
- Resolver los ejercicios con su correcto procedimiento (orden y limpieza)
- Crear el documento de la práctica y llenar los espacios correspondientes
- Tomar foto a los ejercicios e incluirlos al documento de la práctica
- Subir el documento en PDF a Classroom

V. Conclusiones:

Comprendí de manera muy clara y sencilla como realizar la suma de binarios, es muy interesante conocer que esta serie de números cumplen un papel muy importante en la programación de microprocesadores los cuales son vitales para la creación de productos electrónicos que nos permiten satisfacer nuestras necesidades.

PROCEDIMIENTO:

Suma de binarios
1853 + 593

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 0 \ 1 0 0 1 0 1 0 \\ \hline 1 0 0 1 1 0 0 0 1 1 0 \end{array}$$

$$\begin{array}{r} 2909 + 7357 \\ + 1 1 1 1 1 1 1 1 1 1 \\ \hline 1 0 0 1 0 0 0 0 0 1 1 0 \end{array}$$

8189 + 1647

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 0 \ 1 1 1 1 1 1 1 1 \\ \hline 1 0 0 1 1 0 0 1 0 1 0 0 1 \end{array}$$

$$\begin{array}{r} 3701 + 51445 \\ + 1 1 1 1 0 0 1 1 1 1 0 1 \\ \hline 1 0 0 0 1 1 1 0 0 0 1 1 1 0 \end{array}$$

3325 + 7193

$$\begin{array}{r} 1 \ 1 \ 1 \\ + 0 \ 1 1 0 0 1 1 1 1 1 0 1 \\ \hline 1 0 1 0 0 1 0 0 0 1 0 1 1 0 \end{array}$$

$$\begin{array}{r} 7489 + 64104 \\ + 1 1 1 1 0 0 1 0 0 0 1 0 1 \\ \hline 1 1 0 1 1 0 0 1 0 0 1 0 1 0 \end{array}$$

1777 + 5835

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 0 1 1 0 1 1 0 0 0 1 \\ \hline 1 1 1 0 1 1 0 1 1 1 0 1 \end{array}$$

$$\begin{array}{r} 5407 + 7357 \\ + 1 0 1 0 1 0 0 1 0 0 0 1 \\ \hline 1 1 0 0 0 1 1 0 1 1 1 0 \end{array}$$

3269 + 6013

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 0 0 1 1 0 1 1 1 1 0 1 \\ \hline 1 0 0 1 0 0 0 1 0 0 0 1 0 \end{array}$$

$$\begin{array}{r} 4243 + 5457 \\ + 1 0 1 0 0 1 0 0 1 0 0 1 \\ \hline 1 0 0 1 1 0 0 0 1 0 1 1 0 \end{array}$$

2085 + 5125

$$\begin{array}{r} 1 0 1 1 0 1 0 0 0 1 0 1 \\ + 1 0 1 0 0 0 0 0 0 1 0 1 \\ \hline 1 1 1 1 1 0 1 0 0 1 0 1 \end{array}$$

$$\begin{array}{r} 3297 + 7369 \\ + 1 1 1 0 0 1 1 1 0 0 0 0 1 \\ \hline 1 0 1 0 0 1 1 0 1 0 1 0 1 \end{array}$$

$$2137 + 4429$$

S 1343465

$$+ \begin{array}{r} 1222221211221 \\ 1000101001121 \\ \hline 2228110100112 \end{array}$$

4717 + 3925

100.000111000232

6961 + 4429

64 + 3 + 5085

$$\begin{array}{r}
 & 1 \ 2 \ 3 \ 5 \quad 3 \ 1 \\
 + & 1 \ 2 \ 0 \ 0 \ 1 \ 2 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 \hline
 & 1 \ 2 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \\
 & 1 \ 2 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1
 \end{array}$$

$$\begin{array}{r}
 1773 + 585 \\
 + 1211 \\
 \hline
 2358
 \end{array}$$

1145 + 6921

$$+ \frac{1222111100000000}{1121100000000000}$$

723 + 3417

$$\begin{array}{r}
 1 \ 1 \ 1 \ 1 \\
 + 1 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0
 \end{array}$$

3769 + 8365

$$+ \begin{array}{r} 111010111001 \\ 100000010101101 \\ 10111110110110 \end{array}$$

8423 + 1753

$$+ \begin{array}{r} 1222200 \\ 11011 \\ \hline 1101101010 \end{array}$$

485 + 4617

$$+ \begin{array}{r} 1001000001001 \\ 11110001001 \\ \hline 1001111011101 \end{array}$$

2557 + 4829

$$+ \begin{array}{r} 1221641 \\ 10011110010 \\ 1001001101101 \\ \hline 1110011000110 \end{array}$$

8333 ± 333

$$+ \begin{array}{r} 12222210222201 \\ 101001101 \\ \hline 10222211101210 \end{array}$$

$$989 + 1509$$

$$\begin{array}{r} 1111281111281 \\ + 101111281111281 \\ \hline 100111000001010 \end{array}$$

$$7345 + 3709$$

$$\begin{array}{r} 1110810111081 \\ + 1110811111101 \\ \hline 101011001010110 \end{array}$$

$$6729 + 4201$$

$$\begin{array}{r} 1101100001111 \\ + 10000001101001 \\ \hline 10101101110000 \end{array}$$

$$97 + 8157$$

$$\begin{array}{r} 11000001 \\ + 1111111011101 \\ \hline 1000100111110 \end{array}$$

$$3733 + 8973$$

$$\begin{array}{r} 111010010010101 \\ + 100011000011010 \\ \hline 1100001101000010 \end{array}$$

$$8913 + 945$$

$$\begin{array}{r} 100010110101001 \\ + 11101100001 \\ \hline 1001101000000010 \end{array}$$

$$4899 + 2637$$

$$\begin{array}{r} 10010111110001 \\ + 101001100110101 \\ \hline 11101000111110 \end{array}$$

$$29 + 3683$$

$$\begin{array}{r} 11001 \\ + 1110010 \frac{1}{00101} \\ \hline 12100101110 \end{array}$$

$$2053 + 6833$$

$$\begin{array}{r} 10000000000101 \\ + 110101010110101 \\ \hline 100010101011010 \end{array}$$

$$6947 + 4701$$

$$\begin{array}{r} 110110101000001 \\ + 10010010111101 \\ \hline 101101011001110 \end{array}$$

$$6817 + 9497$$

$$\begin{array}{r} 1100101111281 \\ + 100011001000101 \\ \hline 1010110011000010 \end{array}$$

$$1017 + 6305$$

$$\begin{array}{r} 11111110001 \\ + 1100001010001 \\ \hline 11100010000100 \end{array}$$

7101 + 6541

$$\begin{array}{r}
 + \quad \text{1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1} \\
 + \quad \text{1 1 0 0 1 1 0 0 0 1 1 0 1} \\
 \hline
 \text{1 1 0 1 0 1 0 0 1 0 1 0 1 0}
 \end{array}$$

7453 + 7281

$$\begin{array}{r}
 + \quad \text{1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1} \\
 + \quad \text{1 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1} \\
 \hline
 \text{1 1 1 0 1 0 0 1 0 1 0 1 1 0}
 \end{array}$$

7993 + 6273

$$\begin{array}{r}
 + \quad \text{1 1 1 1 1 0 0 1 1 1 0 1} \\
 + \quad \text{1 1 0 0 0 1 0 0 0 0 0 0 1} \\
 \hline
 \text{1 1 0 1 1 1 1 0 1 1 1 0 1 0}
 \end{array}$$

845 + 6743

$$\begin{array}{r}
 + \quad \text{1 1 0 1 0 0 1 1 1 0 1 0 1} \\
 + \quad \text{1 1 0 1 0 0 1 1 0 1 0 1} \\
 \hline
 \text{1 1 1 0 1 1 1 0 0 0 0 1 0}
 \end{array}$$

495 + 1113

$$\begin{array}{r}
 + \quad \text{1 1 1 1 1 1 1 1 1 1 1 1 1} \\
 + \quad \text{1 0 0 0 1 0 1 1 0 0 1} \\
 \hline
 \text{1 1 0 0 0 0 1 0 1 1 0}
 \end{array}$$

1945 + 5413

$$\begin{array}{r}
 + \quad \text{1 1 1 1 0 0 1 1 0 0 1} \\
 + \quad \text{1 0 1 0 1 0 0 1 0 0 1} \\
 \hline
 \text{1 1 1 0 0 1 0 1 1 1 1 0}
 \end{array}$$

3133 + 7825

$$\begin{array}{r}
 + \quad \text{1 1 0 0 0 0 1 1 1 1 0 1} \\
 + \quad \text{1 1 1 1 0 1 0 0 1 0 0 0 1} \\
 \hline
 \text{1 0 1 0 1 0 1 1 0 0 1 1 0}
 \end{array}$$

3281 + 209

$$\begin{array}{r}
 + \quad \text{1 1 0 0 1 1 0 1 0 0 0 1} \\
 + \quad \text{1 1 0 1 0 0 0 1} \\
 \hline
 \text{1 1 0 1 1 0 1 0 0 0 1 0}
 \end{array}$$

2781 + 5861

$$\begin{array}{r}
 + \quad \text{1 0 1 0 1 1 0 1 1 1 0 1} \\
 + \quad \text{1 0 1 1 0 1 1 1 0 0 1 0 1} \\
 \hline
 \text{1 0 0 0 0 1 1 1 0 0 0 1 0}
 \end{array}$$

5037 + 8397

$$\begin{array}{r}
 + \quad \text{1 0 0 1 1 1 0 1 0 1 1 0 1} \\
 + \quad \text{1 0 0 0 0 0 1 1 0 0 1 1 0 1} \\
 \hline
 \text{1 0 1 0 0 0 1 1 1 1 0 1 0}
 \end{array}$$

8413 + 5141

$$\begin{array}{r}
 + \quad \text{1 0 0 0 0 0 1 1 0 1 1 1 0 1} \\
 + \quad \text{1 0 1 0 0 0 0 0 1 0 1 0 1} \\
 \hline
 \text{1 1 0 1 0 1 1 1 0 0 1 0}
 \end{array}$$

5017 + 6317

$$\begin{array}{r}
 + \quad \text{1 0 0 1 1 1 0 0 1 1 0 0 1} \\
 + \quad \text{1 1 0 0 0 1 0 1 0 1 1 0 1} \\
 \hline
 \text{1 0 1 1 0 0 0 1 0 0 0 1 1 0}
 \end{array}$$

8937 + 6049

$$\begin{array}{r}
 + \quad \text{1 0 0 0 1 0 1 1 1 0 1 0 0 1} \\
 + \quad \text{1 0 1 1 1 0 1 0 0 0 0 1 1} \\
 \hline
 \text{1 1 0 1 0 1 0 0 0 1 0 1 0}
 \end{array}$$

$$6947 + 8789$$

$$\begin{array}{r} + \\ \begin{array}{r} 1101101000001 \\ 10001001010101 \\ \hline 11110110010100 \end{array} \end{array}$$

$$8705 + 8613$$

$$\begin{array}{r} + \\ \begin{array}{r} 100010000000001 \\ 1000001101000101 \\ \hline 1000011101000100 \end{array} \end{array}$$

$$6993 + 2917$$

$$\begin{array}{r} + \\ \begin{array}{r} 1101101010001 \\ 1011010100101 \\ \hline 100011010101010 \end{array} \end{array}$$

$$7433 + 3933$$

$$\begin{array}{r} + \\ \begin{array}{r} 1110100010001 \\ 1111010101101 \\ \hline 10110001100110 \end{array} \end{array}$$

$$4325 + 7453$$

$$\begin{array}{r} + \\ \begin{array}{r} 1000001100001 \\ 111010000001001 \\ \hline 101101111101110 \end{array} \end{array}$$

$$1003 + 5897$$

$$\begin{array}{r} + \\ \begin{array}{r} 11111110001 \\ 10111000001001 \\ \hline 11010011110101 \end{array} \end{array}$$

$$6069 + 8369$$

$$\begin{array}{r} + \\ \begin{array}{r} 10111101100101 \\ 100000010110001 \\ \hline 01100001100110 \end{array} \end{array}$$

$$5141 + 7373$$

$$\begin{array}{r} + \\ \begin{array}{r} 1010000010101 \\ 11100110011001 \\ \hline 110000011100010 \end{array} \end{array}$$

$$1729 + 2221$$

$$\begin{array}{r} + \\ \begin{array}{r} 11011000001 \\ 10001001010101 \\ \hline 11110110110100 \end{array} \end{array}$$

$$5173 + 2941$$

$$\begin{array}{r} + \\ \begin{array}{r} 10100000110101 \\ 1011010111101 \\ \hline 11111101100010 \end{array} \end{array}$$

$$4553 + 25$$

$$\begin{array}{r} + \\ \begin{array}{r} 1000111001001 \\ 11001 \\ \hline 10001111000010 \end{array} \end{array}$$

$$6107 + 417$$

$$\begin{array}{r} + \\ \begin{array}{r} 1100000110101 \\ 110101000101 \\ \hline 11001110101010 \end{array} \end{array}$$

6301 + 7414

$$\begin{array}{r}
 + \\
 11000100011101 \\
 1110011111001 \\
 \hline
 110101100010110
 \end{array}$$

7005 + 74047

$$\begin{array}{r}
 + \\
 11111111111101 \\
 100000100000001 \\
 \hline
 101010101011110
 \end{array}$$

2945 + 5409

$$\begin{array}{r}
 + \\
 100110001101 \\
 10100100100001 \\
 \hline
 1110101010110
 \end{array}$$

1805 + 925

$$\begin{array}{r}
 + \\
 111000001101 \\
 1101010101001 \\
 \hline
 1000100110110
 \end{array}$$

3325 + 1821

$$\begin{array}{r}
 + \\
 110011111101 \\
 111000111101 \\
 \hline
 10100000011010
 \end{array}$$

5 + 4613

$$\begin{array}{r}
 + \\
 1001000000101 \\
 101 \\
 \hline
 10010000001010
 \end{array}$$

1114 + 7373

$$\begin{array}{r}
 + \\
 100010011101 \\
 11100110011101 \\
 \hline
 1000010010101010
 \end{array}$$

5409 + 7365

$$\begin{array}{r}
 + \\
 1010100100001 \\
 1110011000001 \\
 \hline
 1100011100110
 \end{array}$$

5535 + 6221

$$\begin{array}{r}
 + \\
 1101000000101 \\
 11000010001101 \\
 \hline
 10010101010010
 \end{array}$$

8905 + 6549

$$\begin{array}{r}
 + \\
 100001011001011 \\
 110011001010101 \\
 \hline
 111100001011110
 \end{array}$$

2305 + 8309

$$\begin{array}{r}
 + \\
 1001000000001 \\
 1111110101101 \\
 \hline
 10102001010110
 \end{array}$$

2881 + 5745

$$\begin{array}{r}
 + \\
 1011010000001 \\
 1101100100001 \\
 \hline
 1001100100010
 \end{array}$$

805 + 3673

$$\begin{array}{r}
 + \\
 110010010101 \\
 1110001011001 \\
 \hline
 100010111110
 \end{array}$$

5381 + 4025

$$\begin{array}{r}
 + \\
 1010100000001 \\
 1111110000101 \\
 \hline
 1001000101110
 \end{array}$$

$$8157 + 2661$$

$$\begin{array}{r} 111111110111101 \\ + 101001100100101 \\ \hline 101010010000010 \end{array}$$

$$7509 + 6945$$

$$\begin{array}{r} 1112101010101 \\ + 11011001000001 \\ \hline 11100001110110 \end{array}$$

$$4827 + 6261$$

$$\begin{array}{r} 100101101110101 \\ + 110001101010101 \\ \hline 101011010101010 \end{array}$$

$$1825 + 3309$$

$$\begin{array}{r} 111001000000001 \\ + 11001110110101 \\ \hline 101000000000110 \end{array}$$

$$2853 + 6457$$

$$\begin{array}{r} 101100100100101 \\ + 110010010110010 \\ \hline 100100001011110 \end{array}$$

$$1341 + 7513$$

$$\begin{array}{r} 110000000101 \\ + 1110101011001 \\ \hline 10001100101110 \end{array}$$

$$5469 + 5813$$

$$\begin{array}{r} 101010101011101 \\ + 101101010110101 \\ \hline 101100000010010 \end{array}$$

$$7243 + 2093$$

$$\begin{array}{r} 111000100100101 \\ + 1000000101101 \\ \hline 100100000110110 \end{array}$$

$$6197 + 7333$$

$$\begin{array}{r} 11000000110101 \\ + 111001010100101 \\ \hline 110100110110101 \end{array}$$

$$2877 + 6909$$

$$\begin{array}{r} 101100111101 \\ + 11001000001001 \\ \hline 100100001000110 \end{array}$$

$$6693 + 7225$$

$$\begin{array}{r} 110100010010101 \\ + 11100001110001 \\ \hline 110110010101110 \end{array}$$

$$2291 + 1981$$

$$\begin{array}{r} 1000110000001 \\ + 111101111101 \\ \hline 10000001111110 \end{array}$$

$$2917 + 3941$$

$$+ \begin{array}{r} 101101100101 \\ 111101100101 \\ \hline 1101011001010 \end{array}$$

$$4269 + 817$$

$$+ \begin{array}{r} 10000101010101 \\ 110011000101 \\ \hline 100111011110 \end{array}$$

$$8017 + 4765$$

$$+ \begin{array}{r} 111101010001 \\ 1001010011101 \\ \hline 110001110110 \end{array}$$

$$1265 + 4281$$

$$+ \begin{array}{r} 10011110001 \\ 1000010111001 \\ \hline 1010110101010 \end{array}$$

$$4053 + 5557$$

$$+ \begin{array}{r} 11111111111 \\ 111111010101 \\ 1010110110101 \\ \hline 10010110001010 \end{array}$$

$$601 + 3637$$

$$+ \begin{array}{r} 11111110001 \\ 1001010111001 \\ \hline 10000100001110 \end{array}$$

$$7081 + 6229$$

$$+ \begin{array}{r} 110111010001 \\ 1100001010101 \\ \hline 110011111110 \end{array}$$

$$2825 + 6457$$

$$+ \begin{array}{r} 101100001001 \\ 1100100111001 \\ \hline 10010000100010 \end{array}$$

$$5121 + 5457$$

$$+ \begin{array}{r} 1010000000001 \\ 1010100111101 \\ \hline 1010010011110 \end{array}$$

$$8289 + 2945$$

$$+ \begin{array}{r} 100000000110001 \\ 10111000000001 \\ \hline 101011111100010 \end{array}$$

$$213 + 581$$

$$+ \begin{array}{r} 1101010101 \\ 1001000101 \\ \hline 1100011010 \end{array}$$

$$69 + 5937$$

$$7947 + 7869$$

$$+ \begin{array}{r} 1111100101001 \\ 1111010111101 \\ \hline 1110111100110 \end{array}$$

$$+ \begin{array}{r} 10111100110001 \\ 10000101 \\ \hline 1011101110110 \end{array}$$

SGS + 1773

$$\begin{array}{r}
 1811000100001 \\
 + 11011101101 \\
 \hline
 1130100001110
 \end{array}$$

8237 + 6037

7521 + 205

$$\begin{array}{r}
 1110101100001 \\
 + 1100110 \\
 \hline
 111100010110
 \end{array}$$

7009 + 4957

$$+ \frac{110111111111111}{100111010111111}$$

$$493 + 83 = ?$$

$$\begin{array}{r}
 & 111181181 \\
 + 1000001188000001 \\
 \hline
 10001101101101101
 \end{array}$$

4289 + 3333

$$+ \frac{1888888888888888888888888}{1111111111111111111111111}$$

8083 + 4717

$$\begin{array}{r}
 1111120010011 \\
 + 1001001101101 \\
 \hline
 11021000020000
 \end{array}$$

4423 + 2953

$$\begin{array}{r}
 122210011 \\
 -122122212 \\
 \hline
 110101121201
 \end{array}$$

3235 + 3117

$$\begin{array}{r} 148818811881 \\ + 118800183183 \\ \hline 1188811880118 \end{array}$$

$$46.9 \pm 6.1_{\pm 7}$$

$$\begin{array}{r}
 1001000100001 \\
 + 1100100001001 \\
 \hline
 10101100110110
 \end{array}$$

4295 + 333

$$+ \frac{1000000000000000}{1000000000000000}$$

SG工单-16533

$$\begin{array}{r}
 1818122338881 \\
 + 14261188888161 \\
 \hline
 323111281418119
 \end{array}$$

$$1389 + 3505$$

$$+ \begin{array}{r} 101011010101 \\ 101011010101 \\ \hline 100110001110 \end{array}$$

$$8621 + 3609$$

$$+ \begin{array}{r} 1000011010101 \\ 111000011001 \\ \hline 10111111000110 \end{array}$$

$$4559 + 3913$$

$$+ \begin{array}{r} 1000110011001 \\ 1111010010001 \\ \hline 10000100010010 \end{array}$$

$$6621 + 21$$

$$+ \begin{array}{r} 110011101101 \\ 10101 \\ \hline 1100111110010 \end{array}$$

$$2645 + 2693$$

$$+ \begin{array}{r} 1010010110010 \\ 1010010110010 \\ \hline 1010010110010 \end{array}$$

$$7553 + 7485$$

$$+ \begin{array}{r} 1110110000001 \\ 1110100111101 \\ \hline 11101010101110 \end{array}$$

$$805 + 5901$$

$$+ \begin{array}{r} 1100100010001 \\ 1010100010001 \\ \hline 1100000110010 \end{array}$$

$$2669 + 7993$$

$$+ \begin{array}{r} 101001101101 \\ 111110011101 \\ \hline 10100110100110 \end{array}$$

$$8993 + 77$$

$$+ \begin{array}{r} 10001100100001 \\ 10001100100001 \\ \hline 10001100100001 \end{array}$$

$$8085 + 6817$$

$$+ \begin{array}{r} 11111110010101 \\ 11010101000011 \\ \hline 11100100011010 \end{array}$$

$$1721 + 1145$$

$$+ \begin{array}{r} 11010111001 \\ 10001111001 \\ \hline 101100110010 \end{array}$$

$$5981 + 7969$$

$$+ \begin{array}{r} 10111101011101 \\ 11111100100011 \\ \hline 1101100111110 \end{array}$$

1417 + 2605

$$\begin{array}{r} 10110001001 \\ + 10100010101 \\ \hline 11111010110 \end{array}$$

5941 + 7149

$$\begin{array}{r} 10111000110101 \\ + 110111110101 \\ \hline 11001100100000 \end{array}$$

7921 + 925

$$\begin{array}{r} 1111011110001 \\ + 1110011101 \\ \hline 10001010001110 \end{array}$$

5573 + 3413

$$\begin{array}{r} 1010111011001 \\ + 110101010101 \\ \hline 1000110010110 \end{array}$$

7035 + 8013

$$\begin{array}{r} 1101110101101 \\ + 11110101010101 \\ \hline 11101011110101 \end{array}$$

873 + 529

$$\begin{array}{r} 110111010101 \\ + 1000010001001 \\ \hline 101011111010 \end{array}$$

5965 + 5941

$$\begin{array}{r} 10111101001101 \\ + 10111100110101 \\ \hline 10111101000010 \end{array}$$

2831 + 1973

$$\begin{array}{r} 1011010100001 \\ + 1111011010101 \\ \hline 10001011110110 \end{array}$$

7569 + 1617

$$\begin{array}{r} 1110110010001 \\ + 11001010001 \\ \hline 10001111100010 \end{array}$$

4195 + 3721

$$\begin{array}{r} 10000000110001 \\ + 1110100010001 \\ \hline 11101000110010 \end{array}$$

4345 + 8229

$$\begin{array}{r} 1000001111001 \\ + 10000000001001 \\ \hline 110000100001110 \end{array}$$

5397 + 1209

$$\begin{array}{r} 10101010001101 \\ + 1110000010001 \\ \hline 11000010001110 \end{array}$$

8897 + 7161

$$\begin{array}{r} + \\ \hline 10222102210221 \\ 110111111101 \\ \hline 1111101011010 \end{array}$$

1247 + 863

$$\begin{array}{r} + \\ \hline 10110101010101 \\ 1101101010101 \\ \hline 10000110101010 \end{array}$$

8934 + 8069

$$\begin{array}{r} + \\ \hline 1000000000000000 \\ 1111110000000000 \\ \hline 1000000000000000 \end{array}$$

3485 + 7617

$$\begin{array}{r} + \\ \hline 110110011101 \\ 11101110000001 \\ \hline 10101101010101 \end{array}$$

8969 + 4009

$$\begin{array}{r} + \\ \hline 102020102010201 \\ 111110101010101 \\ \hline 110000101111010 \end{array}$$

7709 + 8201

$$\begin{array}{r} + \\ \hline 11110000011101 \\ 1000000000000000 \\ \hline 1111000100110 \end{array}$$

7997 + 5921

$$\begin{array}{r} + \\ \hline 11111011111101 \\ 101010101010101 \\ \hline 110110101010101 \end{array}$$

3051 + 8589

$$\begin{array}{r} + \\ \hline 101111111101 \\ 1000000000000000 \\ 101010101010101 \\ \hline 1000000000000000 \end{array}$$

5917 + 1005

$$\begin{array}{r} + \\ \hline 1011100011101 \\ 1111101010101 \\ \hline 10011000101010 \end{array}$$

6581 + 8881

$$\begin{array}{r} + \\ \hline 110111011101 \\ 100010101010101 \\ 111110001100110 \\ \hline 111110001100110 \end{array}$$

5381 + 8345

$$\begin{array}{r} + \\ \hline 10111022000101 \\ 1000000100010001 \\ 110101100111010 \\ \hline 111110001100110 \end{array}$$

3389 + 901

$$\begin{array}{r}
 1 1 1 1 \\
 + 1 0 1 0 0 1 1 1 1 0 1 \\
 1 1 1 0 0 0 0 1 0 1 \\
 \hline
 1 0 0 0 0 1 0 0 0 0 1 0
 \end{array}$$

5729 + 7281

$$\begin{array}{r}
 1 1 1 1 \\
 + 1 0 1 1 0 0 1 1 0 0 0 1 \\
 1 1 1 0 0 0 1 1 0 0 1 0 \\
 \hline
 1 1 0 0 1 0 1 1 0 1 0 0 1 0
 \end{array}$$

6617 + 5213

$$\begin{array}{r}
 1 1 1 1 1 1 \\
 + 1 1 0 0 1 1 1 0 1 1 0 1 \\
 1 0 1 0 0 0 1 1 0 1 1 0 \\
 \hline
 1 0 1 1 0 0 0 1 1 0 1 1 0
 \end{array}$$

5537 + 8517

$$\begin{array}{r}
 1 1 1 1 1 1 \\
 + 1 0 1 1 0 1 0 0 0 1 0 1 \\
 1 0 0 0 0 1 0 1 0 0 1 0 1 \\
 \hline
 1 1 0 1 1 0 1 1 0 0 1 1 0
 \end{array}$$

4701 + 2937

$$\begin{array}{r}
 1 1 1 1 1 1 1 1 \\
 + 1 0 0 1 0 0 1 0 1 1 1 1 0 1 \\
 1 0 1 1 0 1 1 1 0 1 1 0 \\
 \hline
 1 1 0 1 1 0 1 1 0 1 0 1 1 0
 \end{array}$$

1429 + 7385

$$\begin{array}{r}
 1 1 1 1 1 1 1 1 \\
 + 1 1 0 0 1 1 0 1 1 0 1 1 0 1 \\
 1 0 0 0 1 0 0 1 1 0 1 1 0 \\
 \hline
 1 1 0 1 1 0 1 1 0 0 1 1 0
 \end{array}$$

5805 + 589

$$\begin{array}{r}
 1 0 1 1 0 1 0 1 0 1 0 1 \\
 + 1 0 0 1 0 0 0 1 0 1 0 1 \\
 \hline
 1 1 0 0 0 1 1 1 0 1 0
 \end{array}$$

5401 + 1101

$$\begin{array}{r}
 1 0 1 0 1 0 0 0 1 0 0 1 \\
 + 1 0 0 0 1 0 0 0 1 0 1 \\
 \hline
 1 1 0 0 1 0 1 1 0 0 1 1 0
 \end{array}$$

5473 + 2999

$$\begin{array}{r}
 1 0 1 1 1 1 1 1 1 1 \\
 + 1 0 1 1 1 0 0 0 0 0 1 \\
 \hline
 1 0 0 0 0 0 1 1 0 0 1 1 0
 \end{array}$$

2020 + 1261

$$\begin{array}{r}
 1 1 1 1 1 1 1 1 1 1 \\
 + 1 1 1 1 0 1 0 1 0 1 \\
 \hline
 1 1 1 1 1 0 0 1 0 1 1 0
 \end{array}$$

4361 + 1877

$$\begin{array}{r}
 1 0 0 0 1 0 0 0 0 1 0 1 \\
 + 1 1 1 0 1 0 1 0 1 0 1 \\
 \hline
 1 1 0 0 0 0 1 0 1 1 1 0
 \end{array}$$

2725 + 8737

$$\begin{array}{r}
 1 0 1 0 1 0 1 0 0 0 1 \\
 + 1 0 0 0 1 0 0 0 1 0 0 1 \\
 \hline
 1 0 1 1 0 0 1 0 0 0 1 0
 \end{array}$$

5377 + 445

$$\begin{array}{r}
 1 0 1 0 1 0 0 0 0 0 1 \\
 + 1 0 1 1 1 0 1 0 0 1 \\
 \hline
 1 0 1 1 1 1 0 1 0 1 0
 \end{array}$$

97 + 237

4273 + 1569

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 10000100010001 \\ 10101010101010 \\ \hline 10110000001010 \end{array} \end{array}$$

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 1110000001 \\ 1110000001 \\ \hline 1010000000 \end{array} \end{array}$$

1193 + 8053

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 11100000010001 \\ 11111011101010 \\ \hline 10111010001110 \end{array} \end{array}$$

1891 + 557

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 11100110001 \\ 10001011001 \\ \hline 100100101110 \end{array} \end{array}$$

5861 + 1869

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 101101110010101 \\ 11101001101010 \\ \hline 11110001100010 \end{array} \end{array}$$

1897 + 753

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 111001100010001 \\ 101110100010001 \\ \hline 10100101010000 \end{array} \end{array}$$

141 + 5185

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 101000000100001 \\ 1000011001 \\ \hline 1010000001000110 \end{array} \end{array}$$

8013 + 8937

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 111100100010001 \\ 100010111010101 \\ \hline 1000001000011010 \end{array} \end{array}$$

2177 + 3541

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 100010000000001 \\ 11011101010101 \\ \hline 101100101010100 \end{array} \end{array}$$

2821 + 745

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 101100000000101 \\ 1011101001001 \\ \hline 110111010101000 \end{array} \end{array}$$

1737 + 613

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 111000000000001 \\ 100110000000001 \\ \hline 100101000000000 \end{array} \end{array}$$

457 + 5931

6441 + 5981

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 11001001001001001 \\ 101110101011101 \\ \hline 1100001000000100 \end{array} \end{array}$$

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 1011101001001001 \\ 1101101001001001 \\ \hline 1100100001000100 \end{array} \end{array}$$

$$\begin{array}{r}
 547 + 685 \\
 + 101 + 101 + 101 + 101 \\
 \hline
 22880102101010
 \end{array}$$

$$\begin{array}{r}
 3029 + 6347 \\
 + 121111810101 \\
 \hline
 1051001011110
 \end{array}$$

$$G281 + B301$$

$$+ \begin{array}{r} 1100000000000000 \\ 1000000000000000 \\ \hline 1100000000000000 \end{array}$$

$$\begin{array}{r}
 4021 + 5189 \\
 \hline
 9110
 \end{array}$$

$$\begin{array}{r}
 2453 + 4009 \\
 \hline
 6462
 \end{array}$$

$$\begin{array}{r}
 8028 + 5721 \\
 + 1111110101010101 \\
 \hline
 13711881811881
 \end{array}$$

+ 161 + 8833
+ 1101111111001
+ 100010100000001

$$2201 + 4653$$

$$+ \quad 1200810811001$$

$$\underline{1221208181181}$$

$$34210110000110$$

$$\begin{array}{r}
 7849 + 2217 \\
 \hline
 + \quad \begin{array}{r} 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \quad \begin{array}{r} 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \quad \begin{array}{r} 1 \\ 1 \\ 1 \\ 1 \\ 1 \end{array} \\
 \hline
 \begin{array}{r} 1 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} \quad \begin{array}{r} 1 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} \quad \begin{array}{r} 1 \\ 0 \\ 0 \\ 1 \\ 1 \end{array} \quad \begin{array}{r} 1 \\ 0 \\ 0 \\ 1 \\ 1 \end{array}
 \end{array}$$

$$\begin{array}{r}
 1045 + 309 \\
 \hline
 1354
 \end{array}$$

8709 + 2837

$$\begin{array}{r}
 & \overset{1}{\cancel{0}} \cancel{0} \cancel{0} \cancel{1} \cancel{0} \cancel{0} \cancel{0} \cancel{0} \cancel{0} \overset{1}{\cancel{1}} \\
 + & \overset{1}{\cancel{1}} \cancel{0} \cancel{1} \cancel{1} \cancel{0} \cancel{0} \cancel{1} \cancel{0} \cancel{1} \\
 \hline
 & \overset{1}{\cancel{1}} \cancel{0} \cancel{1} \cancel{0} \cancel{0} \cancel{1} \cancel{0} \cancel{1} \cancel{0}
 \end{array}$$

スモリヤナギ 1083

$$\begin{array}{r}
 & 2 & 2 & 2 & 2 & 2 & 2 & 2 \\
 + & 1 & 2 & 1 & 2 & 1 & 2 & 1 \\
 & 1 & 2 & 1 & 1 & 1 & 2 & 1 \\
 \hline
 & 1 & 2 & 0 & 1 & 2 & 1 & 1 & 2 & 0 & 1 & 2
 \end{array}$$

S 2 P P + G P S S

$$+ \begin{array}{r} & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1 & 1 & 0 & 1 \\ & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1 & 1 & 0 & 1 \\ \hline & 1 & 0 & 1 & 0 & 0 & 0 & 1 & 0 & 1 & 1 & 0 \end{array}$$

6904 + B173

$$\begin{array}{r}
 1 \ 2 \ 3 \ 4 \ 5 \ 6 \ 7 \ 8 \ 9 \\
 + 1 \ 1 \ 2 \ 2 \ 1 \ 2 \ 1 \ 1 \ 2 \ 1 \ 2 \ 1 \\
 \hline
 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 \hline
 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 2 \ 1 \ 1 \ 0 \ 1 \ 0
 \end{array}$$

7205 + 48 + 3

$$+ \begin{array}{r} 1110000100101 \\ 1001100000100 \\ \hline 1011100010110 \end{array}$$

121 + 3323

7573 + 6833

29 + 6.949

4757 + 5317

$$+ \begin{array}{r} 10012122101 \\ 1210011200161 \\ \hline 120111012101818 \end{array}$$

$$+ \begin{array}{r} 110001000111001 \\ 110101100000001 \\ \hline 110010110011110 \end{array}$$

5949 + 2277

$$\begin{array}{r}
 \begin{smallmatrix} + & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ - & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 1 & 1 & 1 \\ + & 1 & 0 & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 0 & 1 \end{smallmatrix}
 \end{array}
 = 10000000100010$$

G 189 + 72 29

$$+ \begin{array}{r} 110000001011101 \\ 11100000111101 \\ \hline 110100001101101 \end{array}$$

২০৫৫ + ১৯৮৭

$$\begin{array}{r}
 & 2 & 2 & 2 & 1 & 1 & 1 & 2 & \\
 + & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
 \hline
 & 1 & 2 & 3 & 1 & 2 & 1 & 2 & 1 & 0 & 0 & 1
 \end{array}$$

1283 + 8137

5534 + 8665

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 10100000101 \\ 11111001001 \\ \hline 1001001100110 \end{array} \end{array}$$

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 10101111010101 \\ 10000111010101 \\ \hline 110111010110 \end{array} \end{array}$$

4752 + 3777

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 10010100110011001 \\ 11101100110011001 \\ \hline 1000010101010100 \end{array} \end{array}$$

191 + 9249

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 1100001101 \\ 100001001001 \\ \hline 1001110100100 \end{array} \end{array}$$

44894 + 5029

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 10011011111101 \\ 1011101010101 \\ \hline 111111010010010 \end{array} \end{array}$$

5717 + 4581

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 10110100100001 \\ 10001111001001 \\ \hline 10100001110100 \end{array} \end{array}$$

3353 + 5273

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 1010100101001001 \\ 1010010101001001 \\ \hline 1000010101001000 \end{array} \end{array}$$

7601 + 2813

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 110110110110001 \\ 10101111110101 \\ \hline 101000101011100 \end{array} \end{array}$$

10854 + 3301

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 100000000000101 \\ 1110010010000101 \\ \hline 1000000100000010 \end{array} \end{array}$$

5089 + 3581

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 1001111111000001 \\ 10111101010101 \\ \hline 1000010000001000 \end{array} \end{array}$$

4109 + 4091

$$\begin{array}{r} \text{+ } \\ \begin{array}{r} 100000000000101 \\ 111111001000101 \\ \hline 111111101000100 \end{array} \end{array}$$

6405 + 2129

$$\begin{array}{r}
 + \\
 110010000000101 \\
 10000010100001 \\
 \hline
 100001010101010
 \end{array}$$

5205 + 8365

$$\begin{array}{r}
 + \\
 101000101010101 \\
 100000101010101 \\
 \hline
 101000101010101
 \end{array}$$

1937 + 4833

$$\begin{array}{r}
 + \\
 11110010001 \\
 1000101100001 \\
 1101001110001 \\
 \hline
 1101001110001
 \end{array}$$

3797 + 3605

$$\begin{array}{r}
 + \\
 1101101010101 \\
 1110000010101 \\
 \hline
 1110011101010
 \end{array}$$

1697 + 3133

$$\begin{array}{r}
 + \\
 1101010010001 \\
 11000000111101 \\
 \hline
 100101011011110
 \end{array}$$

1057 + 5809

$$\begin{array}{r}
 + \\
 1101110010001 \\
 1011010110001 \\
 \hline
 110010010000001
 \end{array}$$

4469 + 3233

$$\begin{array}{r}
 + \\
 100010101110101 \\
 11000101000001 \\
 \hline
 111100000010101
 \end{array}$$

6215 + 4533

$$\begin{array}{r}
 + \\
 11000001000101 \\
 10000101010101 \\
 \hline
 10100111111010
 \end{array}$$

1423 + 209

$$\begin{array}{r}
 + \\
 10110010001 \\
 11001101 \\
 \hline
 11001011110
 \end{array}$$

3849 + 8685

$$\begin{array}{r}
 + \\
 1111000010001 \\
 1000001110101 \\
 \hline
 1100001110101
 \end{array}$$

8165 + 1345

$$\begin{array}{r}
 + \\
 1111111100101 \\
 1010101000001 \\
 \hline
 10010100100101
 \end{array}$$

1549 + 2825

$$\begin{array}{r}
 + \\
 11000001000101 \\
 1011000010001 \\
 \hline
 10001000100101
 \end{array}$$

8709 + 2857

$$\begin{array}{r}
 + \\
 100010000000101 \\
 101100101010101 \\
 \hline
 101100101010101
 \end{array}$$

$$8257 + 6237$$

$$\begin{array}{r} 100000000000000 \\ + 110000000000000 \\ \hline 111000000000000 \end{array}$$

$$3857 + 4809$$

$$\begin{array}{r} 111100000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$1613 + 877$$

$$\begin{array}{r} 110000000000000 \\ + 110000000000000 \\ \hline 100000000000000 \end{array}$$

$$3125 + 985$$

$$\begin{array}{r} 110000000000000 \\ + 111000000000000 \\ \hline 100000000000000 \end{array}$$

$$1417 + 5313$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$101000000000000$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$7453 + 1027$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$5225 + 5017$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$3797 + 6049$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$5149 + 3909$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$2537 + 2445$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$5773 + 4189$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

$$7689 + 7601$$

$$\begin{array}{r} 100000000000000 \\ + 100000000000000 \\ \hline 100000000000000 \end{array}$$

£ 697 + 4281

$$+ \frac{1}{10000101110101} = \frac{1}{101110101110101}$$

८७४९ + ₹ ३२५

$$\begin{array}{r}
 & 1 & 1 & 1 & 1 & 1 & 1 \\
 + & 1 & 0 & 0 & 0 & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 0 & 1 \\
 & 1 & 1 & 1 & 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 & 1 \\
 \hline
 & 1 & 1 & 1 & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0
 \end{array}$$

二工 + 8129

$$\begin{array}{r}
 + 1111111\varnothing\varnothing\varnothing\varnothing 1 \\
 10101 \\
 \hline
 111111101011\varnothing
 \end{array}$$

290S + 240S

$$\begin{array}{r}
 & 1 & 1 & 1 & 1 \\
 + & 1 & 0 & 1 & 1 & 0 & 1 & 0 & 1 \\
 & 1 & 0 & 0 & 1 & 0 & 1 & 0 & 0 & 1 & 0 \\
 \hline
 & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1 & 1 & 1 & 0
 \end{array}$$

325 + 5445

$$\begin{array}{r}
 & 1 & 1 & 1 & 1 \\
 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
 + & & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\
 \hline
 1 & 0 & 1 & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1
 \end{array}$$

2381 + 1564

$$+ \begin{array}{r} 10101100101 \\ 11001010001 \\ \hline 101101100110 \end{array}$$

3285 + 5341

$$\begin{array}{r}
 \begin{smallmatrix} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \end{smallmatrix} \\
 110011010101 \\
 +10100111011101 \\
 \hline
 10000110110010
 \end{array}$$

1453 + 8781

$$+ \begin{array}{r} 101110101 \\ 10001001001 \\ \hline 100111111110101 \end{array}$$

909 + 4593

$$\begin{array}{r}
 & 1 & 1 & 1 \\
 & 1 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\
 + & 1 & 1 & 1 & 0 & 0 & 0 & 1 & 1 & 0 & 1 \\
 \hline
 & 1 & 0 & 1 & 0 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1
 \end{array}$$

1617 + 5925

$$+ \begin{array}{cccccc} & & 1 & 1 & 1 & \\ & 1 & 1 & 0 & 0 & 1 & 0 & 1 \\ 1 & 0 & 1 & 0 & 1 & 0 & 0 & 1 \\ \hline 1 & 1 & 0 & 1 & 1 & 0 & 0 & 0 & 1 & 1 & 0 \end{array}$$

1 G 1 + 3 8 3 1

$$\begin{array}{r}
 & 3 & 1 & 3 \\
 & + & 1 & 2 & 0 & 0 & 1 \\
 \hline
 1 & 1 & 1 & 0 & 1 & 2 & 1 & 2 & 1 \\
 \hline
 1 & 1 & 1 & 1 & 0 & 0 & 1 & 1 & 0
 \end{array}$$

3445 + 1431

$$\begin{array}{r}
 \begin{array}{ccccccccc}
 & & & 1 & 1 & 1 & 1 & 1 & 1 \\
 1 & 1 & 0 & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 0 & 1 \\
 + & & 1 & 0 & 0 & 0 & 1 & 1 & 1 & 0 & 1 & 0 & 1 \\
 \hline
 1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 & 1
 \end{array}
 \end{array}$$

3.647 ± 3.961

$$\begin{array}{r}
 & 1 & 1 & 1 & 1 & 1 \\
 & 1 & 2 & 1 & 0 & 1 & 1 & 1 & 1 \\
 + & 1 & 0 & 0 & 0 & 0 & 1 & 2 & 1 & 1 & 1 \\
 \hline
 & 1 & 1 & 0 & 1 & 0 & 0 & 0 & 1 & 0 & 1 & 1 & 1
 \end{array}$$

4445 + 7869

$$\begin{array}{r} + 10111000000101 \\ + 10000101000001 \\ \hline 111000010000101 \end{array}$$

$$\begin{array}{r} 10110100101 \\ + 11110101011101 \\ \hline 100101001000010 \end{array}$$

5097 + 4114

$$\begin{array}{r} + 10110010000001 \\ + 1001001101101 \\ \hline 101000010101110 \end{array}$$

1961 + 2901

$$\begin{array}{r} + 11110101001 \\ + 101101010101 \\ \hline 10010011011110 \end{array}$$

4917 + 4685

$$\begin{array}{r} + 1001101110101 \\ + 1001001000101 \\ \hline 1001001100000010 \end{array}$$

6101 + 5894

$$\begin{array}{r} + 10111111010101 \\ + 10111000001001 \\ \hline 10111011011110 \end{array}$$

5105 + 1521

$$\begin{array}{r} + 10011111100001 \\ + 1011111100001 \\ \hline 110011111000010 \end{array}$$

4329 + 2101

$$\begin{array}{r} + 1000001110101 \\ + 1000001101010 \\ \hline 1100100011110 \end{array}$$

6853 + 2389

$$\begin{array}{r} + 11010110000101 \\ + 10010010010101 \\ \hline 100100000001010 \end{array}$$

3853 + 8485

$$\begin{array}{r} + 1110111110001 \\ + 10001001010001 \\ \hline 11000101001010 \end{array}$$

1133 + 1933

$$\begin{array}{r} + 1000110110101 \\ + 111100001101 \\ \hline 1011111111010 \end{array}$$

2826 + 2703

$$\begin{array}{r} + 1011000001001 \\ + 1011000010001 \\ \hline 10101011001101 \end{array}$$

$$F645 + 6541$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \\ + 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \\ \hline 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$2489 + 5$$

$$\begin{array}{r} 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \\ + 1 \ 0 \ 1 \\ \hline 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \end{array}$$

$$885 + 6109$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \\ + 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \\ \hline 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$7503 + 8337$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\ + 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \\ \hline 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$3849 + 7205$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \\ + 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \\ + 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \\ \hline \end{array}$$

$$1821 + 1845$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \\ + 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \\ \hline 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$2045 + 4817$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \\ + 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\ \hline 1 \ 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \end{array}$$

$$1540 + 2707$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \\ + 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \\ \hline 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$6925 + 7429$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \\ + 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \\ \hline 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$8717 + 1749$$

$$\begin{array}{r} 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \\ + 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \\ \hline 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$4573 + 629$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\ + 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \\ \hline 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$477 + 3265$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \\ + 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \\ \hline 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \end{array}$$

$$6741 + 41857$$

$$\begin{array}{r} 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\ + 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \\ \hline 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \end{array}$$

6609 + 3977

601 + 4169

$$\begin{array}{r} 1000110010001 \\ + 10011001001001 \\ \hline 10011101100110 \end{array}$$

$$\begin{array}{r} 1001011001 \\ + 1000001001001 \\ \hline 10010100100010 \end{array}$$

5061 + 4989

1305 + 2057

$$\begin{array}{r} 1001111000101 \\ + 1111100110101 \\ \hline 11001011110101 \end{array}$$

$$\begin{array}{r} 10100011001 \\ + 1000000001001 \\ \hline 110100100010 \end{array}$$

3205 + 3685

689 + 2985

$$\begin{array}{r} 1100100000101 \\ + 11001100100101 \\ \hline 11010110101010 \end{array}$$

$$\begin{array}{r} 1010101010101 \\ + 10011011010101 \\ \hline 1100011000010 \end{array}$$

2009 + 3757

1469 + 7405

$$\begin{array}{r} 11111011001 \\ + 1110101010101 \\ \hline 10111010000010 \end{array}$$

$$\begin{array}{r} 101110110101 \\ + 1110011010101 \\ \hline 10001010101010 \end{array}$$

1525 + 133

3629 + 8837

$$\begin{array}{r} 101111100101 \\ + 100000000101 \\ \hline 1100111110010 \end{array}$$

$$\begin{array}{r} 1111000101101 \\ + 100010101000101 \\ \hline 11000010110010 \end{array}$$

665 + 7801

4757 + 6181

$$\begin{array}{r} 10100011001 \\ + 1111001111001 \\ \hline 100000100000010 \end{array}$$

$$\begin{array}{r} 1001010001001 \\ + 110000000100101 \\ \hline 101010101101010 \end{array}$$

$$913 + 1849$$

$$\begin{array}{r} & 1 \\ + & 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 0 0 0 1 \\ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 1 1 0 0 1 \\ \hline 1 \ 0 \ 1 \ 0 \ 1 \ 1 0 0 1 0 1 0 \end{array}$$

$$\begin{array}{r} 1445 + 3045 \\ + 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 0 0 0 1 \\ 1 \ 0 \ 1 \ 1 \ 0 \ 1 0 0 1 0 1 \\ \hline 1 \ 0 \ 0 0 1 1 0 0 0 1 0 1 0 \end{array}$$

$$737 + 2953$$

$$\begin{array}{r} & 1 \ 1 \\ + & 1 \ 1 0 \ 1 \ 1 \ 1 0 0 0 0 1 \\ 1 0 \ 1 \ 1 \ 1 0 0 0 1 0 0 1 \\ \hline 1 \ 1 1 0 0 1 1 0 1 0 1 0 \end{array}$$

$$\begin{array}{r} 6285 + 4404 \\ + 1 \ 1 \ 0 \ 1 \ 1 \ 0 0 0 1 0 0 1 \\ 1 0 0 0 1 0 0 1 1 1 0 0 1 \\ \hline 1 \ 0 \ 1 \ 0 0 1 0 0 0 0 0 0 1 0 \end{array}$$

$$7173 + 5353$$

$$\begin{array}{r} & 1 \ 1 \\ + & 1 \ 1 1 0 0 0 0 0 0 0 0 1 \\ 1 0 1 0 0 1 1 1 0 1 0 0 1 \\ \hline 1 \ 1 0 0 0 0 1 1 1 0 1 1 0 \end{array}$$

$$7393 + 23$$

$$\begin{array}{r} 1 \ 1 1 0 0 1 1 1 0 0 0 0 1 \\ + 1 \ 1 0 0 1 \\ \hline 1 \ 1 1 0 0 1 1 1 0 0 0 1 0 \end{array}$$

$$5505 + 2485$$

$$\begin{array}{r} & 1 \ 1 \\ + & 1 \ 1 1 0 0 0 0 0 0 0 1 \\ 1 0 0 1 1 0 1 1 0 1 0 1 \\ \hline 1 \ 1 1 1 0 0 0 1 1 0 1 1 0 \end{array}$$

$$3494 + 2742$$

$$\begin{array}{r} & 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + & 1 \ 1 0 1 0 1 1 1 0 0 1 \\ 1 0 1 0 1 0 1 0 0 1 0 1 \\ \hline 1 \ 1 0 0 0 0 0 1 0 1 1 0 \end{array}$$

$$6681 + 5093$$

$$\begin{array}{r} & 1 \\ + & 1 \ 1 1 0 1 0 0 0 1 1 0 0 1 \\ 1 0 0 1 1 1 1 0 0 1 0 1 \\ \hline 1 \ 0 \ 1 \ 1 0 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 0 \end{array}$$

$$4083 + 3504$$

$$\begin{array}{r} & 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + & 1 \ 1 0 1 1 0 1 1 0 0 1 \\ 1 0 1 0 0 1 1 0 1 1 1 0 \\ \hline 1 \ 0 \ 1 0 0 0 1 0 0 1 1 1 0 \end{array}$$

$$6353 + 6064$$

$$\begin{array}{r} & 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + & 1 \ 1 0 0 0 1 1 0 1 0 0 1 \\ 1 0 1 1 1 1 0 1 1 0 1 0 1 \\ \hline 1 \ 1 0 0 0 0 1 0 0 0 0 1 1 0 \end{array}$$

$$329 + 4523$$

$$\begin{array}{r} & 1 \ 0 \ 1 0 1 1 0 1 0 0 1 \\ + & 1 0 0 0 1 1 0 1 0 0 0 1 \\ 1 0 0 1 0 1 1 1 0 1 0 0 \\ \hline 1 \ 0 \ 0 0 0 0 1 0 0 0 0 1 0 \end{array}$$

$$3869 + 2391$$

$$\begin{array}{r} & 1 \ 1 \ 1 \\ + & 1 \ 1 1 1 0 0 0 1 1 1 0 1 \\ 1 0 0 1 0 0 1 0 0 1 0 1 \\ \hline 1 \ 1 0 0 0 0 1 0 0 0 0 1 0 \end{array}$$

3641 + 2133

$$\begin{array}{r} 100000111000001 \\ + 1000001010101 \\ \hline 101010000010110 \end{array}$$

3381 + 1393

$$\begin{array}{r} 110100011010101 \\ + 11100111000001 \\ \hline 101010000010110 \end{array}$$

221 + 6613

$$\begin{array}{r} 11011101 \\ + 11001110101 \\ \hline 1101010110010 \end{array}$$

5965 + 7264

$$\begin{array}{r} 101110101001101 \\ + 1110001100101 \\ \hline 11001110110010 \end{array}$$

3565 + 3041

$$\begin{array}{r} 110111101101 \\ + 1011111000001 \\ \hline 1100111001110 \end{array}$$

8964 + 5301

$$\begin{array}{r} 10000100010101 \\ + 10100101010101 \\ \hline 11010110010010 \end{array}$$

4665 + 1173

$$\begin{array}{r} 1001000111001 \\ + 1001001010101 \\ \hline 1011011001110 \end{array}$$

4089 + 5025

$$\begin{array}{r} 11111111001 \\ + 1001110101001 \\ \hline 1000111001010 \end{array}$$

825 + 8881

$$\begin{array}{r} 1100111001 \\ + 10001010110001 \\ \hline 10010110110010 \end{array}$$

4701 + 1027

$$\begin{array}{r} 100100101101 \\ + 1101101101001 \\ \hline 10110111000110 \end{array}$$

2253 + 6609

$$\begin{array}{r} 100011001101 \\ + 1100111010001 \\ \hline 10001010110010 \end{array}$$

1413 + 9397

$$\begin{array}{r} 1011000101 \\ + 10001001010101 \\ \hline 10110101100010 \end{array}$$

2605 + 7353

$$\begin{array}{r} + 1010001011001 \\ + 1110010110001 \\ \hline 1001101100110 \end{array}$$

5097 + 541

$$\begin{array}{r} + 1001111101001 \\ + 100001110101 \\ \hline 1011000000110 \end{array}$$

6185 + 1977

$$\begin{array}{r} + 11000000101001 \\ + 111101110001 \\ \hline 1111111100010 \end{array}$$

8889 + 1101

$$\begin{array}{r} + 10001010111001 \\ + 10001001101 \\ \hline 1001100000110 \end{array}$$

161 + 4685

$$\begin{array}{r} + 10100001 \\ + 1001001001001 \\ \hline 100001110110 \end{array}$$

7973 + 6181

$$\begin{array}{r} + 1111100100101 \\ + 1100000100101 \\ \hline 11011101001010 \end{array}$$

2245 + 1345

$$\begin{array}{r} + 100001100001 \\ + 101010100001 \\ \hline 1011010100010 \end{array}$$

8117 + 7453

$$\begin{array}{r} + 111111110001 \\ + 1110100001001 \\ \hline 11110001111010 \end{array}$$

7005 + 681

$$\begin{array}{r} + 1101101011101 \\ + 110110101001 \\ \hline 1111000001110 \end{array}$$

6845 + 3963

$$\begin{array}{r} + 1101010111101 \\ + 1101100010011 \\ \hline 101000001000110 \end{array}$$

6225 + 8237

$$\begin{array}{r} + 1100001010001 \\ + 100000000101101 \\ \hline 11100000111110 \end{array}$$

1793 + 4441

$$\begin{array}{r} + 111000000001 \\ + 1000101011001 \\ \hline 1100001011010 \end{array}$$

$$7633 + 5581$$

$$+ \begin{array}{r} 11101111010001 \\ 1010111001101 \\ \hline 11001110011110 \end{array}$$

$$1713 + 2825$$

$$+ \begin{array}{r} 111101110001 \\ 1011000100101 \\ \hline 1000110111010 \end{array}$$

$$2937 + 6421$$

$$+ \begin{array}{r} 10110111001 \\ 1100100010101 \\ \hline 10010010001110 \end{array}$$

$$7795 + 8201$$

$$+ \begin{array}{r} 1111001110001 \\ 10000000001001 \\ \hline 1111001110001 \end{array}$$

$$2347 + 2637$$

$$+ \begin{array}{r} 10010101001001 \\ 1010010010101 \\ \hline 1011100100110 \end{array}$$

$$3661 + 8589$$

$$+ \begin{array}{r} 10111111001001 \\ 10000010001001 \\ \hline 101101100000010 \end{array}$$

$$8047 + 2133$$

$$+ \begin{array}{r} 1111110001101 \\ 1000001001001 \\ \hline 100421111100010 \end{array}$$

$$5917 + 1005$$

$$+ \begin{array}{r} 10111000111001 \\ 1111101110101 \\ \hline 11011010010010 \end{array}$$

$$3365 + 631$$

$$+ \begin{array}{r} 1101001001001 \\ 1111001000001 \\ \hline 10101100100110 \end{array}$$

$$6581 + 3381$$

$$+ \begin{array}{r} 11001101110101 \\ 10001010101001 \\ \hline 11110011100010 \end{array}$$

$$7005 + 8683$$

$$+ \begin{array}{r} 1101101011101 \\ 1111010111001 \\ \hline 1111000010110 \end{array}$$

$$8401 + 11433$$

$$+ \begin{array}{r} 100000011010001 \\ 10001000100010 \\ \hline 11001000100010 \end{array}$$

$$933 + 8629$$

$$+ \begin{array}{r} 111010010101 \\ 1000001101101 \\ \hline 10010101011010 \end{array}$$

1229 + 3469

$$\begin{array}{r}
 + 11100110011001 \\
 11011000110101 \\
 \hline
 10010010110101
 \end{array}$$

7909 + 4457

$$\begin{array}{r}
 11110111100101 \\
 + 10011110100101 \\
 \hline
 11001001101010
 \end{array}$$

5681 + 6704

$$\begin{array}{r}
 + 1111000110001 \\
 1101000110101 \\
 \hline
 11000001100110
 \end{array}$$

6973 + 4265

$$\begin{array}{r}
 1101100111101 \\
 + 1000001010101 \\
 \hline
 10101111100110
 \end{array}$$

8045 + 2989

$$\begin{array}{r}
 + 11111111101 \\
 11111101101101 \\
 \hline
 101011000110101
 \end{array}$$

313 + 4965

$$\begin{array}{r}
 + 11111101 \\
 1001101000101 \\
 \hline
 1010010011110
 \end{array}$$

685 + 6661

$$\begin{array}{r}
 + 11111100000101 \\
 100101000001101 \\
 \hline
 11100101100101
 \end{array}$$

8751 + 6841

$$\begin{array}{r}
 + 100010000011011 \\
 110101010111001 \\
 \hline
 111100110101000
 \end{array}$$

5025 + 7689

$$\begin{array}{r}
 + 1111100100100101 \\
 11110000001001 \\
 \hline
 11010100101110
 \end{array}$$

6717 + 8404

$$\begin{array}{r}
 + 1101000111101 \\
 100000011011001 \\
 \hline
 11101100010110
 \end{array}$$

6769 + 2977

$$\begin{array}{r}
 + 11010011110001 \\
 10111010100001 \\
 \hline
 10011000010010
 \end{array}$$

8409 + 3643

$$\begin{array}{r}
 + 100000011011001 \\
 1110000111101 \\
 \hline
 10111100010110
 \end{array}$$

7149 + 177

$$\begin{array}{r}
 + 11011111101101 \\
 101110001 \\
 \hline
 1110010011110
 \end{array}$$

$$237 + 6265$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \\ & 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \\ \hline & 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$6905 + 777$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \\ & 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \\ \hline & 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$873 + 8361$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\ & 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\ \hline & 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$8517 + 4791$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \\ & 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \\ \hline & 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$4385 + 3577$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \\ & 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \\ \hline & 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$1357 + 4317$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \\ & 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \\ \hline & 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$1953 + 1321$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \\ & 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\ \hline & 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$5601 + 2499$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \\ & 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \\ \hline & 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$6269 + 345$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \\ & 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \\ \hline & 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$5197 + 5749$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \\ & 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \\ \hline & 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$1197 + 4701$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \\ & 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \\ \hline & 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array}$$

$$3937 + 4165$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \\ & 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \\ \hline & 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \end{array}$$

$$753 + 4449$$

$$\begin{array}{r} & \overset{1}{1} \overset{1}{1} \overset{1}{1} \overset{1}{1} \\ + & 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \\ & 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \\ \hline & 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \end{array}$$

977 + 8301

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \\
 + 1 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0
 \end{array}$$

1233 + 4429

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \\
 + 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0
 \end{array}$$

2481 + 497

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0
 \end{array}$$

2393 + 6893

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0
 \end{array}$$

2769 + 2597

$$\begin{array}{r}
 + \quad 1 \\
 + 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 0 \ 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 0
 \end{array}$$

5437 + 8849

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \\
 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 \hline
 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0
 \end{array}$$

3389 + 2221

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \\
 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0
 \end{array}$$

4781 + 4077

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0
 \end{array}$$

3564 + 2221

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0
 \end{array}$$

6097 + 3989

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 1 \ 0
 \end{array}$$

3569 + 1113

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0
 \end{array}$$

5421 + 6853

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \\
 1 \ 1 \ 0 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 1 \ 1 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0
 \end{array}$$

1245 + 7621

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 1 \\
 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0
 \end{array}$$

2268 + 1913

$$\begin{array}{r}
 + \quad 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\
 + 1 \ 0 \ 0 \ 0 \ 1 \ 1 \ 0 \ 1 \ 1 \ 0 \ 0 \ 1 \\
 1 \ 1 \ 1 \ 0 \ 1 \ 1 \ 1 \ 0 \ 0 \ 1 \ 0 \ 0 \ 1 \\
 \hline
 1 \ 0 \ 0 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0 \ 0 \ 1 \ 0 \ 1 \ 0
 \end{array}$$

8309 + 5673

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

125 + 3569

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

7805 + 874

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

313 + 534

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

4189 + 1325

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

7509 + 8433

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

7541 + 7709

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

4921 + 4829

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

1509 + 6165

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

2181 + 6905

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

4373 + 6425

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

3537 + 6055

$$\begin{array}{r}
 + 1000000000000000 \\
 + 1000000000000000 \\
 \hline
 1000000000000000
 \end{array}$$

$$1365 + 2921$$

$$+ \begin{array}{r} 110100000001 \\ 1011011010001 \\ \hline 100011101010 \end{array}$$

$$1895 + 2093$$

$$+ \begin{array}{r} 111011010101 \\ 100000010101 \\ \hline 111101100010 \end{array}$$

$$7761 + 6565$$

$$+ \begin{array}{r} 1111001010001 \\ 11001101000101 \\ \hline 101111110110 \end{array}$$

$$6443 + 7447$$

$$+ \begin{array}{r} 1101011110101 \\ 1110101010101 \\ \hline 110111101110 \end{array}$$

$$7425 + 5281$$

$$+ \begin{array}{r} 11101000000001 \\ 10100100100001 \\ \hline 11000100000100 \end{array}$$

$$8539 + 297$$

$$+ \begin{array}{r} 10000010110001 \\ 100101001 \\ \hline 10000111011010 \end{array}$$

$$533 + 8185$$

$$+ \begin{array}{r} 10000100000001 \\ 1111111111001 \\ \hline 10001000000110 \end{array}$$

$$5695 + 164$$

$$+ \begin{array}{r} 1011000110101 \\ 111011011110 \\ \hline 101101101110 \end{array}$$

$$2905 + 4769$$

$$+ \begin{array}{r} 1011010111001 \\ 10010101000001 \\ \hline 1110111111010 \end{array}$$

$$5224 + 425$$

$$+ \begin{array}{r} 1010001101101 \\ 1101010101101 \\ \hline 1021000010110 \end{array}$$

$$2169 + 8941$$

$$+ \begin{array}{r} 100001110001 \\ 1000101111001 \\ \hline 10101101101100 \end{array}$$

$$3917 + 3639$$

$$+ \begin{array}{r} 11110101010101 \\ 1110011010101 \\ \hline 1110110110110 \end{array}$$

$$4597 + 2757$$

$$+ \begin{array}{r} 100011111101 \\ 110110111101 \\ \hline 11000111010010 \end{array}$$

82014341

8637 + 1085

$$+ \begin{array}{r} 1000000000000000000000 \\ 1121110000000000000000 \\ \hline 1000000000000000000000 \end{array}$$

$$+ \begin{array}{r} 100000110111101 \\ 100000111101 \\ \hline 10010011111010 \end{array}$$

152 1 + 500 S

1 121111112201
1201110001101
1100101111110

$$5.10^9 + 26.1^3$$

$$+ \frac{1011001010101}{10000110101}$$

6.2.2.3 + 3.8 + 3

$$\begin{array}{r} 10111111000001 \\ + 111100100001 \\ \hline 100111000000010 \end{array}$$

5917 + 4617

$$+ \begin{array}{r} 101111000 \\ 111011120000 \\ \hline 110100110110 \end{array}$$

559 # + 26G 1

$$\begin{array}{r} 1818111811181 \\ + 1818111811181 \\ \hline 100000010000010 \end{array}$$

$$1949 + 6973$$

$$+ \frac{1111100111101}{110110110111101}$$

$$2413 + 7229$$

$$+ \begin{array}{r} 100101101101 \\ 111000111101 \\ \hline 10010110101010 \end{array}$$

1565 + 3949

$$+ \begin{array}{r} 1110 \\ 11110 \\ \hline 101100 \end{array}$$

1905 + 459 +

$$+ \begin{array}{r} 11101110001 \\ 100011110101 \\ \hline 1100101100110 \end{array}$$

2465 + 7703

$$+ \begin{array}{r} 10001101000001 \\ 111100000011101 \\ \hline 10011110111110 \end{array}$$

6229 + 4789

$$\begin{array}{r}
 10111111 \\
 + 11000010101 \\
 1001010110101 \\
 \hline
 10101100001010
 \end{array}$$

169 + 389

$$\begin{array}{r}
 111 \\
 + 10101001 \\
 110000101 \\
 \hline
 1000101110
 \end{array}$$

3621 + 4945

$$\begin{array}{r}
 11111 \\
 + 111000100101 \\
 1001101010001 \\
 \hline
 10000101110110
 \end{array}$$

3881 + 453

$$\begin{array}{r}
 11111 \\
 + 111010101001 \\
 1110111001 \\
 \hline
 100101110010
 \end{array}$$

7545 + 3757

$$\begin{array}{r}
 111111111 \\
 + 11001000110101 \\
 10001000100101 \\
 \hline
 1111111010110
 \end{array}$$

3845 + 2941

$$\begin{array}{r}
 111111 \\
 + 100110001001 \\
 11000000101010 \\
 \hline
 11000000101010
 \end{array}$$

1365 + 5195

$$\begin{array}{r}
 111111111 \\
 + 10100101010101 \\
 10100101010101 \\
 \hline
 110010100010010
 \end{array}$$

1577 + 1353

$$\begin{array}{r}
 111111111 \\
 + 101010101001 \\
 101010101001 \\
 \hline
 1011011010010
 \end{array}$$

3059 + 6421

$$\begin{array}{r}
 111111111 \\
 + 101111111101 \\
 110010100010010 \\
 \hline
 100101000010010
 \end{array}$$

6909 + 5205

$$\begin{array}{r}
 1111111111111 \\
 + 101000101010101 \\
 101000101010101 \\
 \hline
 101111101010010
 \end{array}$$

3555 + 4461

$$\begin{array}{r}
 111111111 \\
 + 11011111100001 \\
 100010101101101 \\
 \hline
 11111010100110
 \end{array}$$

2985 + 7603

$$\begin{array}{r}
 111111111 \\
 + 1011101010001 \\
 1110110110001 \\
 \hline
 10100101010101
 \end{array}$$

$$4945 + 1093$$

$$\begin{array}{r} 100110101001 \\ + 100010001001 \\ \hline 1011100010101 \end{array}$$

$$3973 + 4349$$

$$\begin{array}{r} 11011001001 \\ + 100011111101 \\ \hline 11110100010110 \end{array}$$

$$3973 + 3729$$

$$\begin{array}{r} 1111100000101 \\ + 11101001001001 \\ \hline 111100000101101 \end{array}$$

$$2009 + 5274$$

$$\begin{array}{r} 111110011001 \\ + 1010100100101 \\ \hline 1110000110110 \end{array}$$

$$6233 + 6809$$

$$\begin{array}{r} 11000010111001 \\ + 1101010011001 \\ \hline 110010111100101 \end{array}$$

$$3337 + 4021$$

$$\begin{array}{r} 1101000001001 \\ + 111110110101 \\ \hline 11100100111100 \end{array}$$

$$3933 + 4749$$

$$\begin{array}{r} 1111010111101 \\ + 10010100100101 \\ \hline 100001111010101 \end{array}$$

$$845 + 6029$$

$$\begin{array}{r} 1101001101101 \\ + 1011110001101 \\ \hline 110100110110101 \end{array}$$

$$1333 + 181$$

$$\begin{array}{r} 1010011010101 \\ + 10111010101 \\ \hline 10111101010101 \end{array}$$

$$2481 + 4713$$

$$\begin{array}{r} 10011011011001 \\ + 10010011010101 \\ \hline 11100000110101 \end{array}$$

$$7813 + 1757$$

$$\begin{array}{r} 1111010000101 \\ + 110110111101 \\ \hline 100101010100010 \end{array}$$

$$4529 + 1889$$

$$\begin{array}{r} 1000110110011001 \\ + 11101100100101 \\ \hline 110010001000101 \end{array}$$

$$1157 + 6099$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \\ + 1 0 0 0 0 1 1 1 0 0 0 1 \\ 1 0 1 1 1 1 1 0 0 1 0 0 1 \\ \hline 1 1 1 0 0 0 0 1 1 1 0 1 0 \end{array}$$

$$2233 + 1649$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \\ + 1 0 0 0 0 1 0 1 1 1 0 0 1 \\ 1 1 0 0 1 0 1 1 1 0 0 1 \\ \hline 1 1 1 1 0 0 1 0 1 0 1 0 \end{array}$$

$$2325 + 385$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \\ + 1 0 0 1 0 0 0 0 1 0 1 0 1 \\ 1 1 0 0 0 0 0 0 1 \\ \hline 1 0 1 0 1 0 0 1 0 1 1 0 \end{array}$$

$$6805 + 3949$$

$$\begin{array}{r} 1 \ 1 \ 1 1 1 1 1 1 1 1 \\ + 1 1 0 1 0 1 0 1 1 0 1 0 1 \\ 1 1 1 0 1 1 0 1 1 0 1 \\ \hline 1 0 1 0 1 0 0 0 0 0 0 1 0 \end{array}$$

$$81 + 193$$

$$\begin{array}{r} 1 \ 1 \ 1 0 0 0 0 0 1 1 0 1 \\ + 1 0 1 0 0 0 1 \\ \hline 1 1 1 0 0 0 1 1 0 1 0 1 \end{array}$$

$$2753 + 2059$$

$$\begin{array}{r} 1 \ 1 \ 1 1 1 1 1 1 1 1 \\ + 1 0 0 0 0 0 0 1 0 1 0 1 \\ 1 0 0 1 0 1 1 0 1 0 1 0 \\ \hline 1 0 0 1 0 1 1 0 1 0 1 0 \end{array}$$

$$3195 + 1665$$

$$\begin{array}{r} 1 \ 1 0 0 0 1 1 1 1 0 0 1 \\ + 1 1 0 1 0 0 0 0 0 0 1 \\ \hline 1 0 0 1 0 1 1 1 1 0 1 0 \end{array}$$

$$3509 + 2017$$

$$\begin{array}{r} 1 \ 1 1 0 0 1 1 1 1 0 1 \\ + 1 0 0 0 0 0 1 1 0 0 1 \\ 1 0 1 1 0 1 0 1 0 1 1 0 \\ \hline 1 0 1 1 0 1 0 1 0 1 1 0 \end{array}$$

$$4249 + 5641$$

$$\begin{array}{r} 1 \ 1 1 0 0 0 1 0 1 0 0 0 1 \\ + 1 0 1 1 0 0 0 0 0 1 0 0 1 \\ \hline 1 1 0 0 1 0 0 1 0 1 1 0 1 0 \end{array}$$

$$5553 + 1601$$

$$\begin{array}{r} 1 \ 1 1 1 1 1 1 1 1 1 1 \\ + 1 1 0 0 1 0 1 1 0 0 1 \\ 1 1 0 1 1 1 1 1 0 0 1 0 \\ \hline 1 1 0 1 1 1 1 1 0 0 1 0 \end{array}$$

$$2333 + 2321$$

$$\begin{array}{r} 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \\ + 1 0 0 1 0 0 0 1 0 0 0 1 \\ 1 0 0 1 0 0 0 1 0 1 1 0 \\ \hline 1 0 0 1 0 0 0 1 0 1 1 0 \end{array}$$

$$6386 + 4127$$

$$\begin{array}{r} 1 \ 1 0 1 0 0 0 0 1 0 1 1 \\ + 1 1 0 1 0 0 0 0 1 \\ 1 0 1 1 0 1 0 1 0 1 0 \\ \hline 1 0 1 1 0 1 0 1 0 1 0 \end{array}$$

$$557 + 4321$$

$$\begin{array}{r} 1 \ 1 1 0 0 1 0 0 1 1 0 0 1 \\ + 1 0 0 0 1 0 1 1 0 1 \\ \hline 1 1 1 1 0 1 1 0 0 0 1 1 0 \end{array}$$

$$2077 + 3517$$

$$\begin{array}{r} 1000000000000000000000000 \\ + 1100000000000000000000000 \\ \hline 1010000000000000000000000 \end{array}$$

$$4369 + 2229$$

$$\begin{array}{r} 1000000000000000000000000 \\ + 1000000000000000000000000 \\ \hline 1000000000000000000000000 \end{array}$$

$$1577 + 2121$$

$$\begin{array}{r} 1100000000000000000000000 \\ + 1000000000000000000000000 \\ \hline 1110000000000000000000000 \end{array}$$

$$1049 + 4413$$

$$\begin{array}{r} 1000000000000000000000000 \\ + 1000000000000000000000000 \\ \hline 2000000000000000000000000 \end{array}$$

$$4933 + 6549$$

$$\begin{array}{r} 1000000000000000000000000 \\ + 1000000000000000000000000 \\ \hline 1000000000000000000000000 \end{array}$$

$$6797 + 5869$$

$$\begin{array}{r} 1100000000000000000000000 \\ + 1100000000000000000000000 \\ \hline 1000000000000000000000000 \end{array}$$

$$8337 + 275$$

$$\begin{array}{r} 1000000000000000000000000 \\ + 1000000000000000000000000 \\ \hline 1000000000000000000000000 \end{array}$$

$$7553 + 1153$$

$$\begin{array}{r} 1110000000000000000000000 \\ + 1110000000000000000000000 \\ \hline 1000000000000000000000000 \end{array}$$

$$4877 + 7017$$

$$\begin{array}{r} 1000000000000000000000000 \\ + 1000000000000000000000000 \\ \hline 1000000000000000000000000 \end{array}$$

$$2549 + 2604$$

$$\begin{array}{r} 1000000000000000000000000 \\ + 1000000000000000000000000 \\ \hline 1000000000000000000000000 \end{array}$$

$$6985 + 7101$$

$$\begin{array}{r} 1100000000000000000000000 \\ + 1100000000000000000000000 \\ \hline 1100000000000000000000000 \end{array}$$

$$4945 + 1093$$

$$\begin{array}{r} 1000000000000000000000000 \\ + 1000000000000000000000000 \\ \hline 1000000000000000000000000 \end{array}$$

$$7977 + 5525$$

$$\begin{array}{r} 1 & 1 & 1 & 1 \\ + & 1 & 1 & 1 & 1 \\ & 1 & 0 & 1 & 0 & 1 \\ \hline 1 & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \end{array}$$

$$8677 + 3724$$

$$\begin{array}{r} 1 & 1 & 1 & 1 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 1 & 1 & 0 & 0 & 1 \\ & 1 & 1 & 0 & 1 & 1 & 0 & 0 & 0 & 0 & 1 \\ \hline 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \end{array}$$

$$6437 + 425$$

$$\begin{array}{r} 1 & 1 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ & 1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 & 1 \\ \hline 1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \end{array}$$

$$8445 + 6229$$

$$\begin{array}{r} 1 & 1 & 1 & 1 & 1 & 1 \\ + & 1 & 0 & 0 & 0 & 0 & 1 & 1 & 1 & 1 & 0 & 1 \\ & 1 & 1 & 0 & 0 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ \hline 1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 & 0 & 1 & 0 \end{array}$$

$$482 + 3221$$

$$\begin{array}{r} 1 & 1 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ & 1 & 1 & 1 & 0 & 1 & 0 & 0 & 1 \\ \hline 1 & 1 & 1 & 0 & 0 & 1 & 1 & 1 & 1 & 0 \end{array}$$

$$5184 + 1473$$

$$\begin{array}{r} 1 & 1 & 1 & 1 \\ + & 1 & 0 & 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 \\ & 1 & 0 & 1 & 1 & 0 & 0 & 0 & 0 & 0 & 1 \\ \hline 1 & 1 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \end{array}$$

$$1177 + 4909$$

$$\begin{array}{r} 1 & 1 & 1 & 1 \\ + & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \\ & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ \hline 1 & 0 & 1 & 1 & 1 & 1 & 0 & 0 & 0 & 0 & 1 & 0 \end{array}$$

$$6633 + 3859$$

$$\begin{array}{r} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 1 & 1 & 0 & 0 & 1 & 0 & 1 \\ & 1 & 1 & 1 & 1 & 0 & 0 & 1 & 1 & 1 & 0 & 1 \\ \hline 1 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 & 1 & 1 & 0 \end{array}$$

$$1301 + 8165$$

$$\begin{array}{r} 1 & 1 & 1 & 1 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 0 & 1 \\ & 1 & 1 & 1 & 1 & 1 & 1 & 0 & 0 & 1 & 0 \\ \hline 1 & 0 & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 \end{array}$$

$$3629 + 1673$$

$$\begin{array}{r} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 \\ + & 1 & 1 & 0 & 0 & 0 & 1 & 0 & 1 & 1 & 0 & 1 \\ & 1 & 1 & 1 & 0 & 1 & 1 & 1 & 1 & 0 & 0 & 1 \\ \hline 1 & 1 & 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \end{array}$$

$$6497 + 7361$$

$$\begin{array}{r} 1 & 1 & 1 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 0 & 1 \\ & 1 & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 0 & 1 \\ \hline 1 & 1 & 0 & 1 & 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 0 \end{array}$$

$$6553 + 5973$$

$$\begin{array}{r} 1 & 1 & 1 & 1 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 \\ & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 0 & 1 & 0 \\ \hline 1 & 1 & 0 & 0 & 0 & 1 & 1 & 0 & 1 & 1 & 0 \end{array}$$

$$6793 + 1453$$

$$\begin{array}{r} 11010001001 \\ + 1010001001 \\ \hline 10000000100010 \end{array}$$

$$6585 + 6164$$

$$\begin{array}{r} 1100110121001 \\ + 1100000011001 \\ \hline 11000111010010 \end{array}$$

$$8401 + 4874$$

$$\begin{array}{r} 10000011010001 \\ + 1001100001101 \\ \hline 11001110111010 \end{array}$$

$$1533 + 3853$$

$$\begin{array}{r} 10111111101 \\ + 1111000001101 \\ \hline 1010100001010 \end{array}$$

$$941 + 7349$$

$$\begin{array}{r} 1110101101 \\ + 11100101101 \\ \hline 10000000110010 \end{array}$$

$$5813 + 8341$$

$$\begin{array}{r} 101101010101 \\ + 100000001001 \\ \hline 1010110100101 \end{array}$$

$$3833 + 6841$$

$$\begin{array}{r} 1110111101 \\ + 1101011101 \\ \hline 101000110101 \end{array}$$

$$2951 + 5069$$

$$\begin{array}{r} 101110100101 \\ + 100111001101 \\ \hline 1010110100101 \end{array}$$

$$525 + 293$$

$$\begin{array}{r} 10000001101 \\ + 1011000101 \\ \hline 110011001010 \end{array}$$

$$5247 + 7481$$

$$\begin{array}{r} 101010010000001 \\ + 111010100111001 \\ \hline 1100001010111010 \end{array}$$

$$7929 + 1565$$

$$\begin{array}{r} 1111011111001 \\ + 11000001101 \\ \hline 10010101000101 \end{array}$$

$$6425 + 6025$$

$$\begin{array}{r} 1100100011001 \\ + 10111110001001 \\ \hline 11000000100010 \end{array}$$

6589 + 5273

1529 + 3689

$$\begin{array}{r} & 1 & 1 & 1 & 1 & 1 \\ & 1 & 0 & 0 & 1 & 1 & 0 & 1 & 1 & 1 & 0 \\ + & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 & 0 \\ \hline & 1 & 0 & 1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \end{array}$$

$$\begin{array}{r} & 1 & 1 & 1 & 1 & 1 & 1 \\ & 1 & 0 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 & 1 \\ + & 1 & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 & 1 \\ \hline & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 1 & 0 & 1 & 0 \end{array}$$

3191 + 265

2205 + 5481

$$\begin{array}{r} & 1 & 1 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 1 & 0 & 1 \\ + & 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 & 0 \\ \hline & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 1 & 0 \end{array}$$

$$\begin{array}{r} & 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 & 1 \\ + & 1 & 0 & 1 & 1 & 1 & 0 & 1 & 0 & 1 & 1 & 0 & 1 \\ \hline & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 0 & 1 & 0 \end{array}$$

6335 + 533

459 + 8609

$$\begin{array}{r} & 1 & 0 & 1 & 1 & 1 & 1 & 1 & 0 & 0 & 0 & 1 \\ + & 1 & 0 & 0 & 0 & 0 & 1 & 0 & 1 & 0 & 1 & 0 \\ \hline & 1 & 0 & 1 & 1 & 1 & 1 & 1 & 0 & 1 & 0 & 0 \end{array}$$

$$\begin{array}{r} & 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 1 & 1 & 0 & 1 \\ + & 1 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ \hline & 1 & 1 & 0 & 0 & 1 & 0 & 0 & 0 & 1 & 1 & 0 \end{array}$$

1189 + 4061

7023 + 5821

$$\begin{array}{r} & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ + & 1 & 0 & 0 & 0 & 1 & 0 & 0 & 1 & 0 \\ \hline & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1 & 0 \end{array}$$

$$\begin{array}{r} & 1 & 1 & 1 & 0 & 1 & 1 & 1 & 0 & 0 & 1 \\ + & 1 & 0 & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 1 \\ \hline & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 & 1 \end{array}$$

8529 + 2781

5737 + 6533

$$\begin{array}{r} & 1 & 0 & 0 & 0 & 0 & 1 & 0 & 1 & 0 & 0 & 0 & 1 \\ + & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 1 & 0 & 1 & 0 \\ \hline & 1 & 0 & 1 & 0 & 0 & 0 & 1 & 0 & 1 & 1 & 0 \end{array}$$

$$\begin{array}{r} & 1 & 0 & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 0 & 0 & 1 & 0 & 1 \\ \hline & 1 & 0 & 1 & 1 & 1 & 1 & 1 & 0 & 1 & 1 & 0 \end{array}$$

2781 + 6581

$$\begin{array}{r} & 1 & 0 & 1 & 0 & 1 & 0 & 1 & 1 & 1 & 0 & 1 \\ + & 1 & 1 & 0 & 0 & 1 & 1 & 0 & 1 & 0 & 1 & 0 \\ \hline & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 1 & 0 \end{array}$$