|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CHAR** | **ASCII** |  | **U** | **N** | **i** | **S** | **Y** | **S** |  | **H** | **A** | **C** | **K** |
|  | 32 |  | 83 | 95 | 119 | 40 | 58 | 38 | 52 | 74 | 76 | 92 | 106 |
| ! | 33 |  | 84 | 96 | 120 | 41 | 59 | 39 | 53 | 75 | 77 | 93 | 107 |
| ‘ | 34 |  | 85 | 97 | 121 | 42 | 60 | 40 | 54 | 76 | 78 | 94 | 108 |
| # | 35 |  | 86 | 98 | 122 | 43 | 61 | 41 | 55 | 77 | 79 | 95 | 109 |
| $ | 36 |  | 87 | 99 | 123 | 44 | 62 | 42 | 56 | 78 | 80 | 96 | 110 |
| % | 37 |  | 88 | 100 | 124 | 45 | 63 | 43 | 57 | 79 | 81 | 97 | 111 |
| & | 38 |  | 89 | 101 | 125 | 46 | 64 | 44 | 58 | 80 | 82 | 98 | 112 |
| “ | 39 |  | 90 | 102 | 126 | 47 | 65 | 45 | 59 | 81 | 83 | 99 | 113 |
| ( | 40 |  | 91 | 103 | 32 | 48 | 66 | 46 | 60 | 82 | 84 | 100 | 114 |
| ) | 41 |  | 92 | 104 | 33 | 49 | 67 | 47 | 61 | 83 | 85 | 101 | 115 |
| \* | 42 |  | 93 | 105 | 34 | 50 | 68 | 48 | 62 | 84 | 86 | 102 | 116 |
| + | 43 |  | 94 | 106 | 35 | 51 | 69 | 49 | 63 | 85 | 87 | 103 | 117 |
| , | 44 |  | 95 | 107 | 36 | 52 | 70 | 50 | 64 | 86 | 88 | 104 | 118 |
| - | 45 |  | 96 | 108 | 37 | 53 | 71 | 51 | 65 | 87 | 89 | 105 | 119 |
| . | 46 |  | 97 | 109 | 38 | 54 | 72 | 52 | 66 | 88 | 90 | 106 | 120 |
| / | 47 |  | 98 | 110 | 39 | 55 | 73 | 53 | 67 | 89 | 91 | 107 | 121 |
| : | 58 |  | 99 | 111 | 40 | 56 | 74 | 54 | 68 | 90 | 92 | 108 | 122 |
| ; | 59 |  | 100 | 112 | 41 | 57 | 75 | 55 | 69 | 91 | 93 | 109 | 123 |
| < | 60 |  | 101 | 113 | 42 | 58 | 76 | 56 | 70 | 92 | 94 | 110 | 124 |
| = | 61 |  | 102 | 114 | 43 | 59 | 77 | 57 | 71 | 93 | 95 | 111 | 125 |
| > | 62 |  | 103 | 115 | 44 | 60 | 78 | 58 | 72 | 94 | 96 | 112 | 126 |
| ? | 63 |  | 104 | 116 | 45 | 61 | 79 | 59 | 73 | 95 | 97 | 113 | 32 |
| @ | 64 |  | 105 | 117 | 46 | 62 | 80 | 60 | 74 | 96 | 98 | 114 | 33 |
| [ | 91 |  | 106 | 118 | 47 | 63 | 81 | 61 | 75 | 97 | 99 | 115 | 34 |
| \ | 92 |  | 107 | 119 | 48 | 64 | 82 | 62 | 76 | 98 | 100 | 116 | 35 |
| ] | 93 |  | 108 | 120 | 49 | 65 | 83 | 63 | 77 | 99 | 101 | 117 | 36 |
| ^ | 94 |  | 109 | 121 | 50 | 66 | 84 | 64 | 78 | 100 | 102 | 118 | 37 |
| \_ | 95 |  | 110 | 122 | 51 | 67 | 85 | 65 | 79 | 101 | 103 | 119 | 38 |
| ` | 96 |  | 111 | 123 | 52 | 68 | 86 | 66 | 80 | 102 | 104 | 120 | 39 |
| { | 123 |  | 112 | 124 | 53 | 69 | 87 | 67 | 81 | 103 | 105 | 121 | 40 |
| | | 124 |  | 113 | 125 | 54 | 70 | 88 | 68 | 82 | 104 | 106 | 122 | 41 |
| } | 125 |  | 114 | 126 | 55 | 71 | 89 | 69 | 83 | 105 | 107 | 123 | 42 |
| ~ | 126 |  | 115 | 32 | 56 | 72 | 90 | 70 | 84 | 106 | 108 | 124 | 43 |
| 0 | 48 |  | 116 | 33 | 57 | 73 | 91 | 71 | 85 | 107 | 109 | 125 | 44 |
| 1 | 49 |  | 117 | 34 | 58 | 74 | 92 | 72 | 86 | 108 | 110 | 126 | 45 |
| 2 | 50 |  | 118 | 35 | 59 | 75 | 93 | 73 | 87 | 109 | 111 | 32 | 46 |
| 3 | 51 |  | 119 | 36 | 60 | 76 | 94 | 74 | 88 | 110 | 112 | 33 | 47 |
| 4 | 52 |  | 120 | 37 | 61 | 77 | 95 | 75 | 89 | 111 | 113 | 34 | 48 |
| 5 | 53 |  | 121 | 38 | 62 | 78 | 96 | 76 | 90 | 112 | 114 | 35 | 49 |
| 6 | 54 |  | 122 | 39 | 63 | 79 | 97 | 77 | 91 | 113 | 115 | 36 | 50 |
| 7 | 55 |  | 123 | 40 | 64 | 80 | 98 | 78 | 92 | 114 | 116 | 37 | 51 |
| 8 | 56 |  | 124 | 41 | 65 | 81 | 99 | 79 | 93 | 115 | 117 | 38 | 52 |
| 9 | 57 |  | 125 | 42 | 66 | 82 | 100 | 80 | 94 | 116 | 118 | 39 | 53 |
| A | 65 |  | 126 | 43 | 67 | 83 | 101 | 81 | 95 | 117 | 119 | 40 | 54 |
| B | 66 |  | 32 | 44 | 68 | 84 | 102 | 82 | 96 | 118 | 120 | 41 | 55 |
| C | 67 |  | 33 | 45 | 69 | 85 | 103 | 83 | 97 | 119 | 121 | 42 | 56 |
| D | 68 |  | 34 | 46 | 70 | 86 | 104 | 84 | 98 | 120 | 122 | 43 | 57 |
| E | 69 |  | 35 | 47 | 71 | 87 | 105 | 85 | 99 | 121 | 123 | 44 | 58 |
| F | 70 |  | 36 | 48 | 72 | 88 | 106 | 86 | 100 | 122 | 124 | 45 | 59 |
| G | 71 |  | 37 | 49 | 73 | 89 | 107 | 87 | 101 | 123 | 125 | 46 | 60 |
| H | 72 |  | 38 | 50 | 74 | 90 | 108 | 88 | 102 | 124 | 126 | 47 | 61 |
| I | 73 |  | 39 | 51 | 75 | 91 | 109 | 89 | 103 | 125 | 32 | 48 | 62 |
| J | 74 |  | 40 | 52 | 76 | 92 | 110 | 90 | 104 | 126 | 33 | 49 | 63 |
| K | 75 |  | 41 | 53 | 77 | 93 | 111 | 91 | 105 | 32 | 34 | 50 | 64 |
| L | 76 |  | 42 | 54 | 78 | 94 | 112 | 92 | 106 | 33 | 35 | 51 | 65 |
| M | 77 |  | 43 | 55 | 79 | 95 | 113 | 93 | 107 | 34 | 36 | 52 | 66 |
| N | 78 |  | 44 | 56 | 80 | 96 | 114 | 94 | 108 | 35 | 37 | 53 | 67 |
| O | 79 |  | 45 | 57 | 81 | 97 | 115 | 95 | 109 | 36 | 38 | 54 | 68 |
| P | 80 |  | 46 | 58 | 82 | 98 | 116 | 96 | 110 | 37 | 39 | 55 | 69 |
| Q | 81 |  | 47 | 59 | 83 | 99 | 117 | 97 | 111 | 38 | 40 | 56 | 70 |
| R | 82 |  | 48 | 60 | 84 | 100 | 118 | 98 | 112 | 39 | 41 | 57 | 71 |
| S | 83 |  | 49 | 61 | 85 | 101 | 119 | 99 | 113 | 40 | 42 | 58 | 72 |
| T | 84 |  | 50 | 62 | 86 | 102 | 120 | 100 | 114 | 41 | 43 | 59 | 73 |
| U | 85 |  | 51 | 63 | 87 | 103 | 121 | 101 | 115 | 42 | 44 | 60 | 74 |
| V | 86 |  | 52 | 64 | 88 | 104 | 122 | 102 | 116 | 43 | 45 | 61 | 75 |
| W | 87 |  | 53 | 65 | 89 | 105 | 123 | 103 | 117 | 44 | 46 | 62 | 76 |
| X | 88 |  | 54 | 66 | 90 | 106 | 124 | 104 | 118 | 45 | 47 | 63 | 77 |
| Y | 89 |  | 55 | 67 | 91 | 107 | 125 | 105 | 119 | 46 | 48 | 64 | 78 |
| Z | 90 |  | 56 | 68 | 92 | 108 | 126 | 106 | 120 | 47 | 49 | 65 | 79 |
| a | 97 |  | 57 | 69 | 93 | 109 | 32 | 107 | 121 | 48 | 50 | 66 | 80 |
| b | 98 |  | 58 | 70 | 94 | 110 | 33 | 108 | 122 | 49 | 51 | 67 | 81 |
| c | 99 |  | 59 | 71 | 95 | 111 | 34 | 109 | 123 | 50 | 52 | 68 | 82 |
| d | 100 |  | 60 | 72 | 96 | 112 | 35 | 110 | 124 | 51 | 53 | 69 | 83 |
| e | 101 |  | 61 | 73 | 97 | 113 | 36 | 111 | 125 | 52 | 54 | 70 | 84 |
| f | 102 |  | 62 | 74 | 98 | 114 | 37 | 112 | 126 | 53 | 55 | 71 | 85 |
| g | 103 |  | 63 | 75 | 99 | 115 | 38 | 113 | 32 | 54 | 56 | 72 | 86 |
| h | 104 |  | 64 | 76 | 100 | 116 | 39 | 114 | 33 | 55 | 57 | 73 | 87 |
| i | 105 |  | 65 | 77 | 101 | 117 | 40 | 115 | 34 | 56 | 58 | 74 | 88 |
| j | 106 |  | 66 | 78 | 102 | 118 | 41 | 116 | 35 | 57 | 59 | 75 | 89 |
| k | 107 |  | 67 | 79 | 103 | 119 | 42 | 117 | 36 | 58 | 60 | 76 | 90 |
| l | 108 |  | 68 | 80 | 104 | 120 | 43 | 118 | 37 | 59 | 61 | 77 | 91 |
| m | 109 |  | 69 | 81 | 105 | 121 | 44 | 119 | 38 | 60 | 62 | 78 | 92 |
| n | 110 |  | 70 | 82 | 106 | 122 | 45 | 120 | 39 | 61 | 63 | 79 | 93 |
| o | 111 |  | 71 | 83 | 107 | 123 | 46 | 121 | 40 | 62 | 64 | 80 | 94 |
| p | 112 |  | 72 | 84 | 108 | 124 | 47 | 122 | 41 | 63 | 65 | 81 | 95 |
| q | 113 |  | 73 | 85 | 109 | 125 | 48 | 123 | 42 | 64 | 66 | 82 | 96 |
| r | 114 |  | 74 | 86 | 110 | 126 | 49 | 124 | 43 | 65 | 67 | 83 | 97 |
| s | 115 |  | 75 | 87 | 111 | 32 | 50 | 125 | 44 | 66 | 68 | 84 | 98 |
| t | 116 |  | 76 | 88 | 112 | 33 | 51 | 126 | 45 | 67 | 69 | 85 | 99 |
| u | 117 |  | 77 | 89 | 113 | 34 | 52 | 32 | 46 | 68 | 70 | 86 | 100 |
| v | 118 |  | 78 | 90 | 114 | 35 | 53 | 33 | 47 | 69 | 71 | 87 | 101 |
| w | 119 |  | 79 | 91 | 115 | 36 | 54 | 34 | 48 | 70 | 72 | 88 | 102 |
| x | 120 |  | 80 | 92 | 116 | 37 | 55 | 35 | 49 | 71 | 73 | 89 | 103 |
| y | 121 |  | 81 | 93 | 117 | 38 | 56 | 36 | 50 | 72 | 74 | 90 | 104 |
| z | 122 |  | 82 | 94 | 118 | 39 | 57 | 37 | 51 | 73 | 75 | 91 | 105 |