bit = 1 bit

1byte = 8 bit

1 kilo byte = 1024 byte

1 megabyte = 1024 kilobyte

1 gigabyte = 1024 megabyte

1 terabyte = 1024 gigabyte

1 petabyte = 1024 terabyte

8GB = 8\*1024 = 8192 megabyte = 8192 \* 1024 = 8388608 kilobyte

8388608 \* 1024 = 8589934592 \* 8 = 68,719,476,736 bit

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 |
| 0 |  | 0 | 0 | 0 | 0 | 0 | 0 |  |  |
|  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Name = a

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 |