1. Table

   Description automatically generated

|  |  |  |
| --- | --- | --- |
| * 1. Request | * 1. Block Size | * 1. Block Header |
| * 1. Malloc(1) | * 1. 8 | * 1. 9 |
| * 1. Malloc(5) | * 1. 16 | * 1. 11 |
| * 1. Malloc(20) | * 1. 32 | * 1. 19 |
| * 1. Malloc(24) | * 1. 32 | * 1. 29 |
| * 1. Malloc(25) | * 1. 36 | * 1. 39 |

1. Table

   Description automatically generated

|  |  |  |  |
| --- | --- | --- | --- |
| * 1. Alignment | * 1. Allocated Block | * 1. Free Block | * 1. Minimum Block Size(bytes) |
| * 1. 8 bytes | * 1. Header and Footer | * 1. Header and Footer | * 1. 32 |
| * 1. 8 bytes | * 1. Header, but no Footer | * 1. Header and Footer | * 1. 24 |
| * 1. 16 bytes | * 1. Header and Footer | * 1. Header and Footer | * 1. 40 |
| * 1. 16 bytes | * 1. Header, but no Footer | * 1. Header and Footer | * 1. 32 |