PROFILING EXECUTION TIME:- in **CLOCK CYCLES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 10 Bytes | 100 Bytes | 1000 Bytes | 5000 Bytes |
| Memset(std lib) | 4 | 29 | 315 | 1457 |
| Memmove(std lib) | 4 | 37 | 404 | 1869 |
| my\_memset(O3 flag) | 4 | 31 | 341 | 1576 |
| my\_memmove(O3 flag) | 12 | 102 | 1118 | 5182 |
| Memset using dma (1byte) | 5 | 7 | 73 | 336 |
| Memmove using dma (1byte) | 8 | 10 | 77 | 343 |
| Memset using dma (2bytes) | 5 | 6 | 62 | 283 |
| Memmove using dma ( 2 bytes) | 8 | 9 | 65 | 290 |
| Memset using dma (4 bytes) | 5 | 5 | 34 | 253 |
| Memmove using dma (4 bytes) | 8 | 8 | 55 | 260 |