|  |  |  |  |
| --- | --- | --- | --- |
| Time | Speed Up | Memory | Changes |
| 28.33s | 1.0x | 560mb | none |
| 27.80s | 1.01x | 560mb | RingBuffer approach with a producer and consumer thread. |
| 27.44s | 1.03x | 560mb | Two line async task implementation. |