**ECE5720 Homework 2**

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1. For column sort

When m = 256, number of thread = 8

|  |  |  |  |
| --- | --- | --- | --- |
| n | 256 | 512 | 1024 |
| Time (ms) | 3769 | 4035 | 4499 |

When n = 256, number of thread = 8

|  |  |  |  |
| --- | --- | --- | --- |
| m | 256 | 512 | 1024 |
| Time (ms) | 3769 | 4285 | 4589 |

When m and n both increase

|  |  |  |  |
| --- | --- | --- | --- |
| m and n | 256 | 512 | 1024 |
| Time (ms) | 3769 | 8227 | 27018 |