Flow tests

1 Comparison average time results

n = width of the grid
m = maximum edge capacity

1.1 Simple square n=1000 m=1000000

Algorithm	**Average time**
CPU	16236167.5
GPU	75211699.2
GPU on CPU	191076189.8
CPU/GPU	0.2199

1.2 Simple triangular n=1000 m=1000000

Algorithm	**Average time**
CPU	20562189.5
GPU	82163491.2
GPU on CPU	154225114.5
CPU/GPU	0.2391

1.3 Bidirectional square n=1000 m=1000000

Algorithm	**Average time**
CPU	2370018.9
GPU	6898240.0
GPU on CPU	68924607.4
CPU/GPU	0.3125

1.4 Bidirectional triangular n=1000 m=1000000

Algorithm	**Average time**
CPU	9582663.3
GPU	33326176.2
GPU on CPU	154225114.5
CPU/GPU	0.2838

1.5 Super square n=1000 m=1000000

Algorithm	**Average time**
CPU	30981531.1
GPU	26924968.8
GPU on CPU	121043883.1
GPU/CPU	0.8689

1.6 Super triangular n=1000 m=1000000

Algorithm	**Average time**
CPU	10917429.6
GPU	18429299.8
GPU on CPU	40735346.4
CPU/GPU	0.6007

1.7 Super square n=2000 m=1000000

Algorithm	**Average time**
CPU < GPU : CPU > GPU	3 : 7
GPU/CPU	0.9429
CPU/GPU	0.8898