## Sheet1

| <b>N-Quee</b> | n |
|---------------|---|
|               |   |

|         |             | real  | user  | system |
|---------|-------------|-------|-------|--------|
| Size 10 | Unoptimised | 0.019 | 0.017 | 0.001  |
|         | OpenMP      | 0.031 | 0.081 | 0.01   |
| Size 11 | Unoptimised | 0.058 | 0.055 | 0.002  |
|         | OpenMP      | 0.028 | 0.07  | 0.012  |
| Size 12 | Unoptimised | 0.191 | 0.189 | 0.001  |
|         | OpenMP      | 0.093 | 0.127 | 0.035  |
| Size 13 | Unoptimised | 0.989 | 0.985 | 0.002  |
|         | OpenMP      | 0.377 | 0.302 | 0.153  |
| Size 14 | Unoptimised | 5.863 | 5.846 | 0.003  |
|         | OpenMP      | 1.87  | 1.202 | 0.737  |

## **Monte Carlo**

|               |                  | real  | user  | system |
|---------------|------------------|-------|-------|--------|
|               |                  |       |       |        |
| Size 10       | Unoptimised      | 0.003 | 0.001 | 0.001  |
|               | OpenMP           | 0.008 | 0.012 | 0.002  |
|               |                  |       |       |        |
| Size 10000    | Unoptimised      | 0.006 | 0.003 | 0.002  |
| 0.20 10000    | Onopumiscu       | 0.000 | 0.000 | 0.002  |
|               |                  |       |       |        |
|               | OpenMP           | 0.012 | 0.015 | 0.015  |
|               |                  |       |       |        |
|               |                  |       |       |        |
| Size 1000000  | Unoptimised      | 0.047 | 0.044 | 0.002  |
|               |                  |       |       |        |
|               | OpenMP           | 0.253 | 0.348 | 0.499  |
|               | Оренин           | 0.233 | 0.540 | 0.499  |
|               |                  |       |       |        |
| C: 10000000   | l la catinai cod | 0.000 | 0.224 | 0.000  |
| Size 10000000 | Unoptimised      | 0.238 | 0.234 | 0.003  |
|               |                  |       |       |        |
|               |                  |       |       |        |
|               | OpenMP           | 2.183 | 3.044 | 4.618  |

## **MergeSort**

|           |             | real  | user  | system |
|-----------|-------------|-------|-------|--------|
| Size 100  | Unoptimised | 0.004 | 0.002 | 0.002  |
|           | OpenMP      | 0.007 | 0.006 | 0.004  |
| Size 1000 | Unoptimised | 0.005 | 0.002 | 0.002  |
|           | OpenMP      | 0.1   | 0.015 | 0.005  |

## Sheet1

| Size 10000   | Unoptimised | 0.016 | 0.013 | 0.002 |
|--------------|-------------|-------|-------|-------|
|              | OpenMP      | 0.029 | 0.073 | 0.016 |
| Size 100000  | Unoptimised | 0.51  | 0.46  | 0.005 |
|              | OpenMP      | 0.092 | 0.167 | 0.058 |
| Size 1000000 | Unoptimised | 0.254 | 0.235 | 0.017 |
|              | OpenMP      | 0.62  | 0.828 | 0.41  |