Execution Time vs. Input Size (n) for task2 threads\_per\_block = 1024 threads\_per\_block = 512  $10^{2}$ Time (ms) 10<sup>1</sup> 10<sup>0</sup> 2<sup>18</sup>  $2^{15}$  $2^{\frac{1}{2}4}$ 2<sup>27</sup>  $2^{12}$  $2^{21}$ Input size n