



Worksheet 9

1. (a) • $n = 2$:



Figure 1: bitonic merge network for $n = 2$

- $n = 4$:

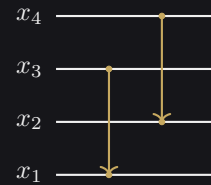


Figure 2: bitonic merge network for $n = 4$

- $n = 8$:

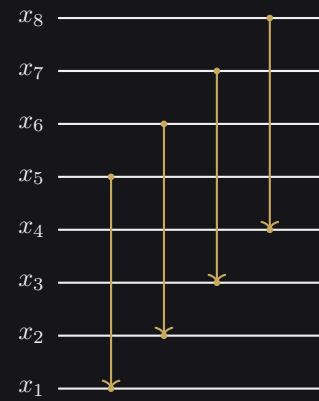


Figure 3: bitonic merge network for $n = 8$

- (b) • $n = 2$:



Figure 4: bitonic sorter network for $n = 2$

- $n = 4$:

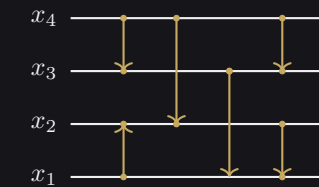


Figure 5: bitonic sorter network for $n = 4$

- $n = 8$:

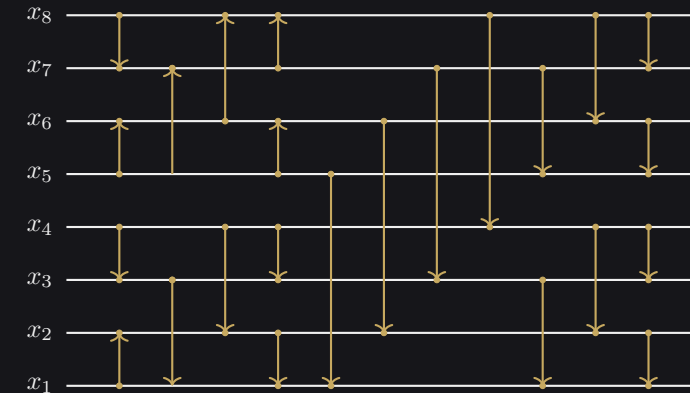


Figure 6: bitonic sorter network for $n = 8$

2.