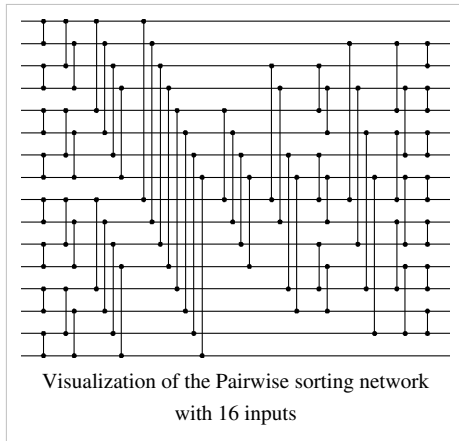


Pairwise sorting network



The **Pairwise sorting network** is a sorting network discovered and published by *Ian Parberry* in 1992.^[1] The pairwise sorting network has the same cost (number of comparators) and delay as the odd-even mergesort network. It requires $n(\log n)(\log n - 1)/4 + n - 1$ comparators and has depth $(\log n)(\log n + 1)/2$.

References

- [1] Parberry, Ian (1992), "The Pairwise Sorting Network" (<http://www.eng.unt.edu/ian/pubs/pairwise.pdf>), *Parallel Processing Letters* **2** (2,3): 205–211,

External links

- Sorting Networks (<http://www.eng.unt.edu/ian/research/sortingnetworks/>) – Web page by the author.

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