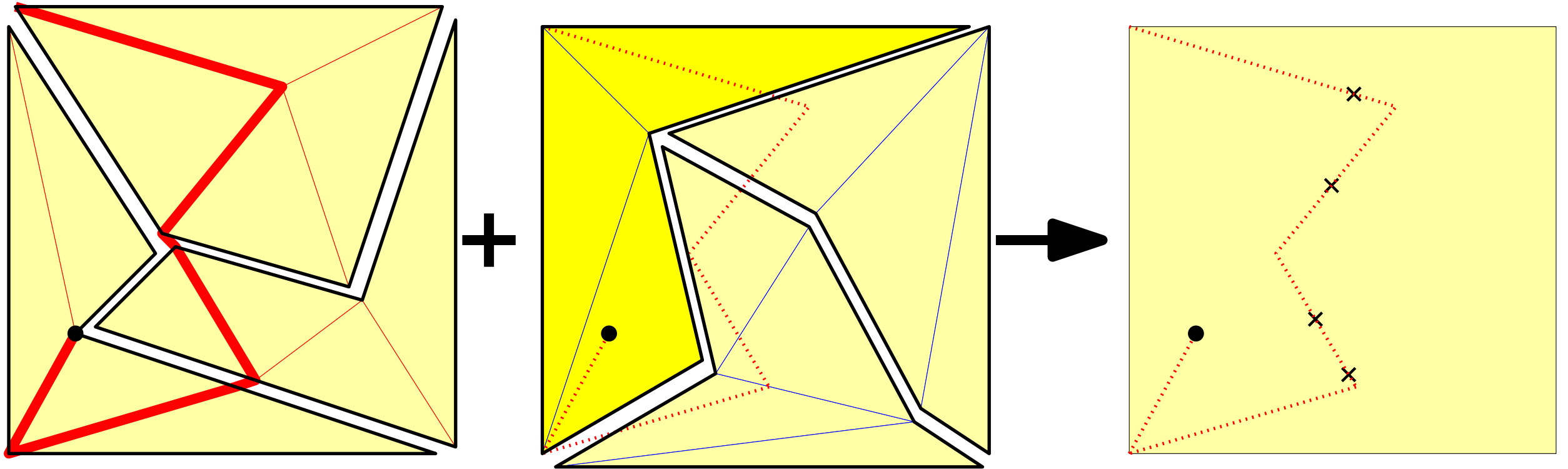


## Overlaying triangulations on disk?

Maps: ..., triangulations



DFS in one triangulation, traverse triangles in the other:

- $\Theta(1)$  operations per edge
- $\Theta(1)$  operations per crossing

Total:  $\Theta(n + k)$  CPU-operations (for  $n$  triangles,  $k$  intersections)

**On disk, data arranged in blocks. 1 I/O  $\approx$  1,000,000 CPU-ops.  $\Theta(n + k)$  I/O's?**