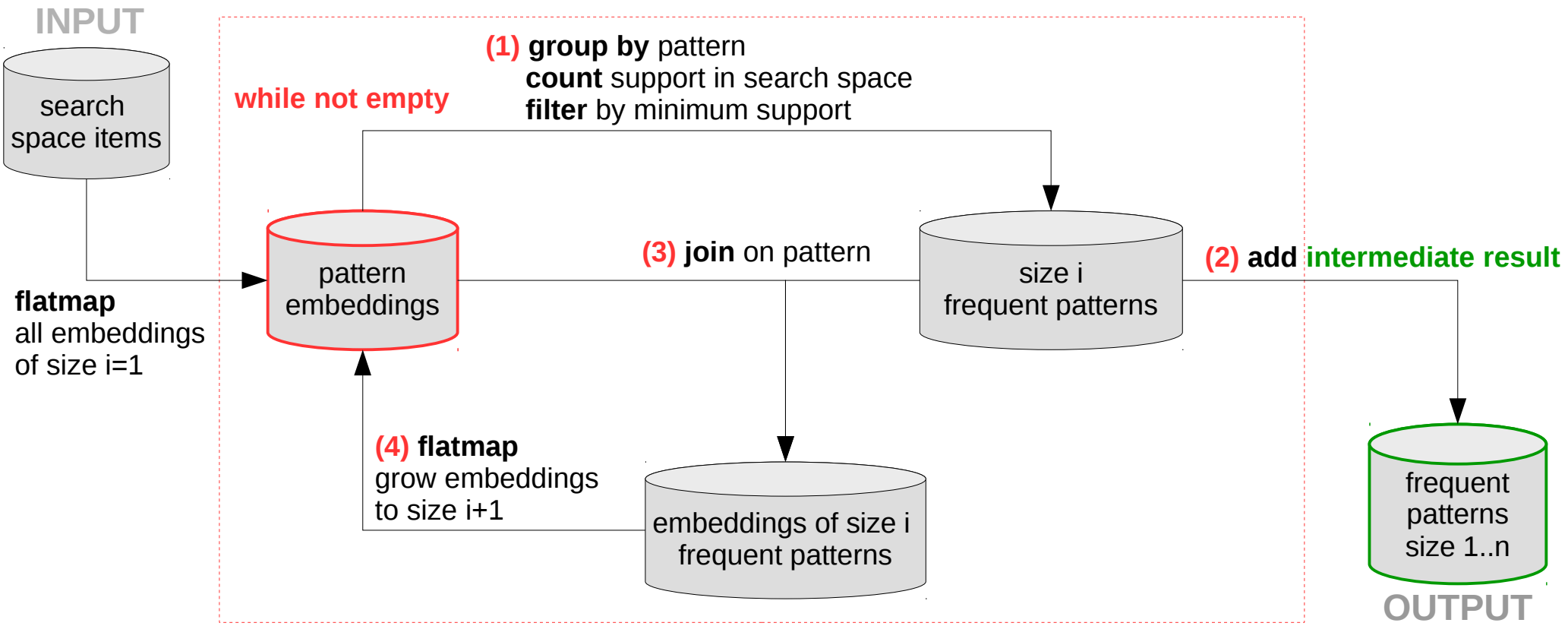
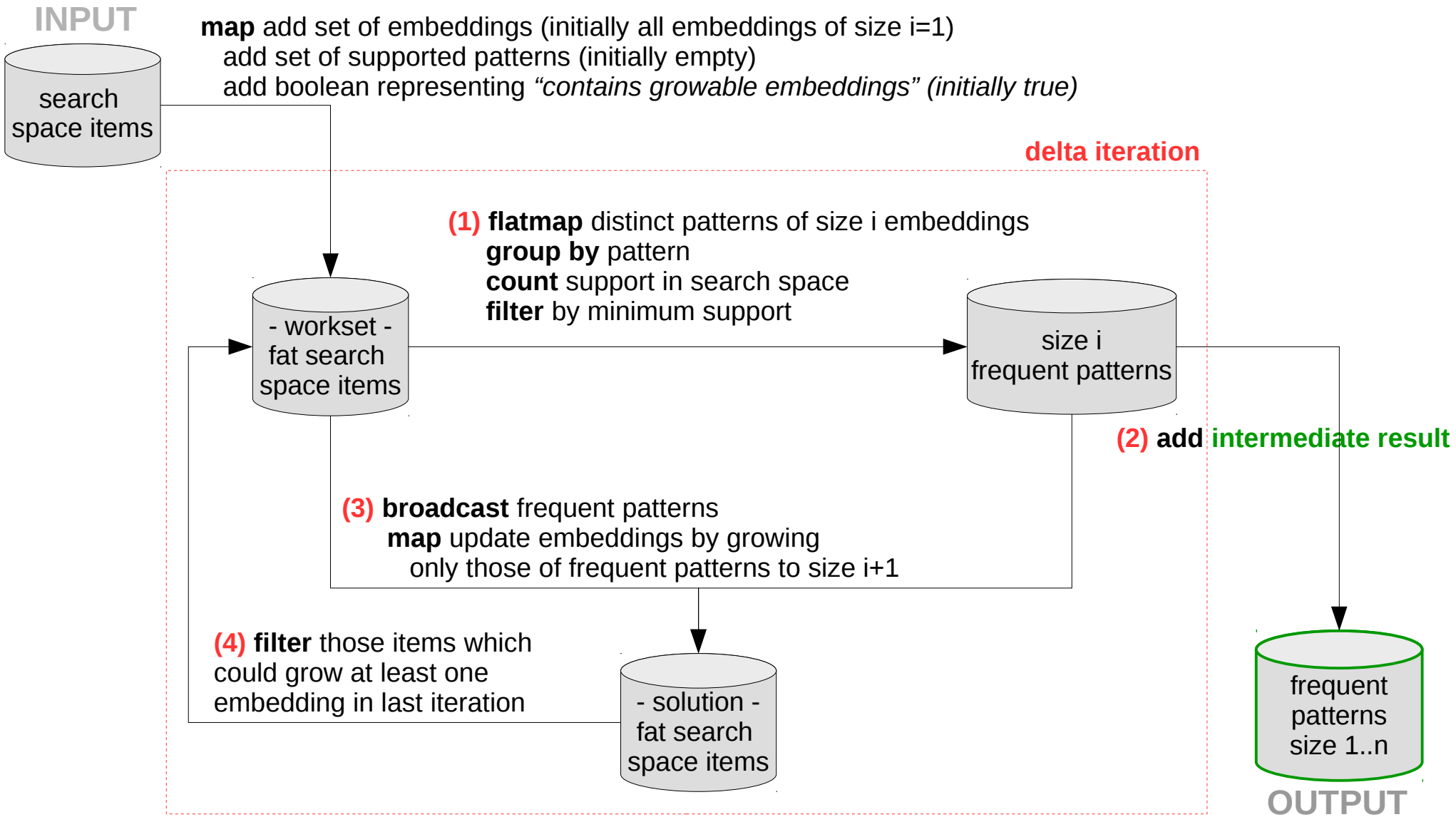
“While not empty” loop with intermediate result

Example Frequent Pattern Mining

- *Problem* : Find patterns, which occur frequently in a set of search space items
- patterns may have *arbitrary size and* patterns may *contain each other*
- *pattern growth:* start with size 1 patterns, iteratively, grow only frequent ones to size n (pruning)
- An instance of a pattern is called *embedding*
- A search space item may contain *multiple embeddings* of the same pattern but
- *Frequent* means a given minimum number of items contain a pattern (minimum support)



Delta iteration with intermediate result



Delta iteration workaround