(a) Factorial mixture model
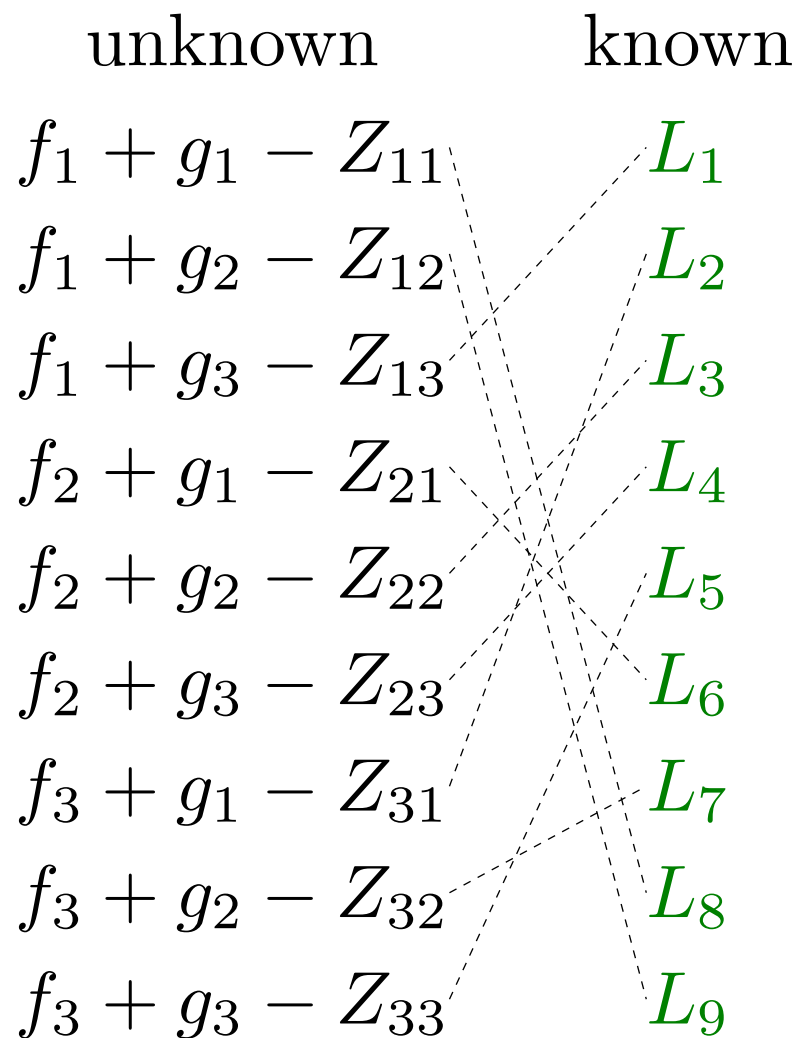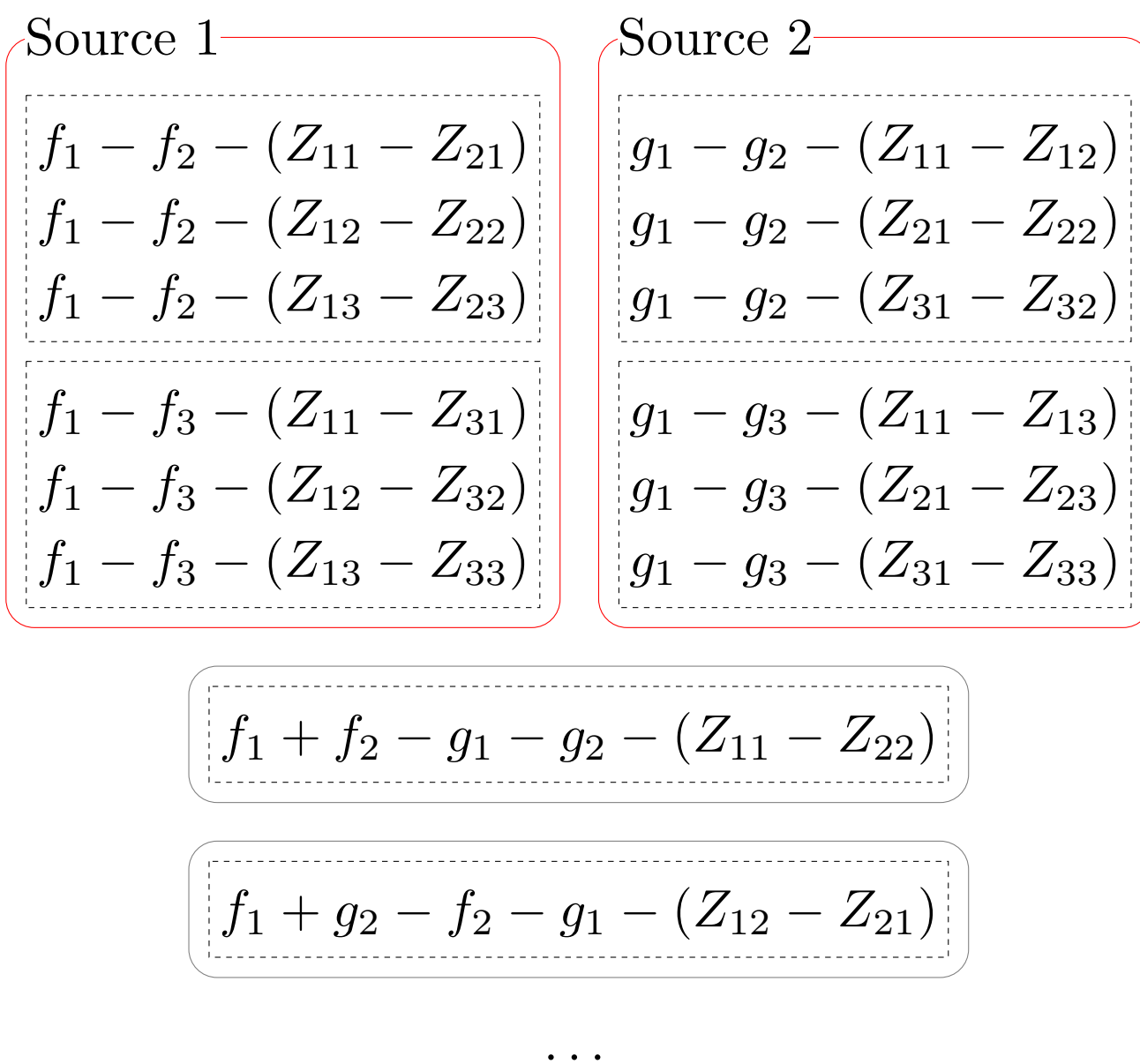
(b) Unshuffling factorization