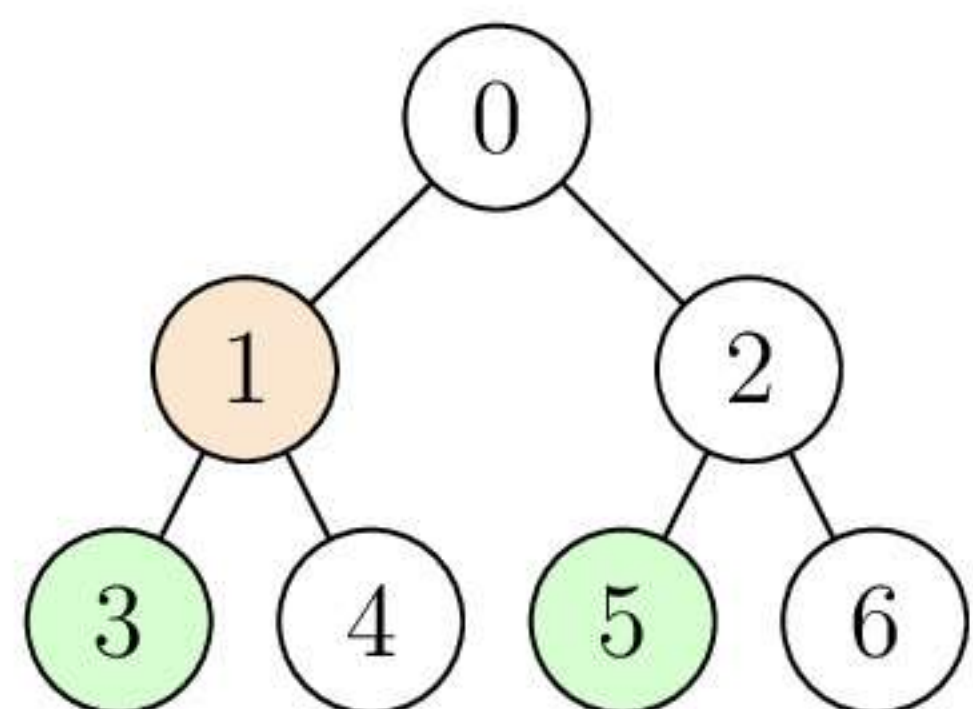
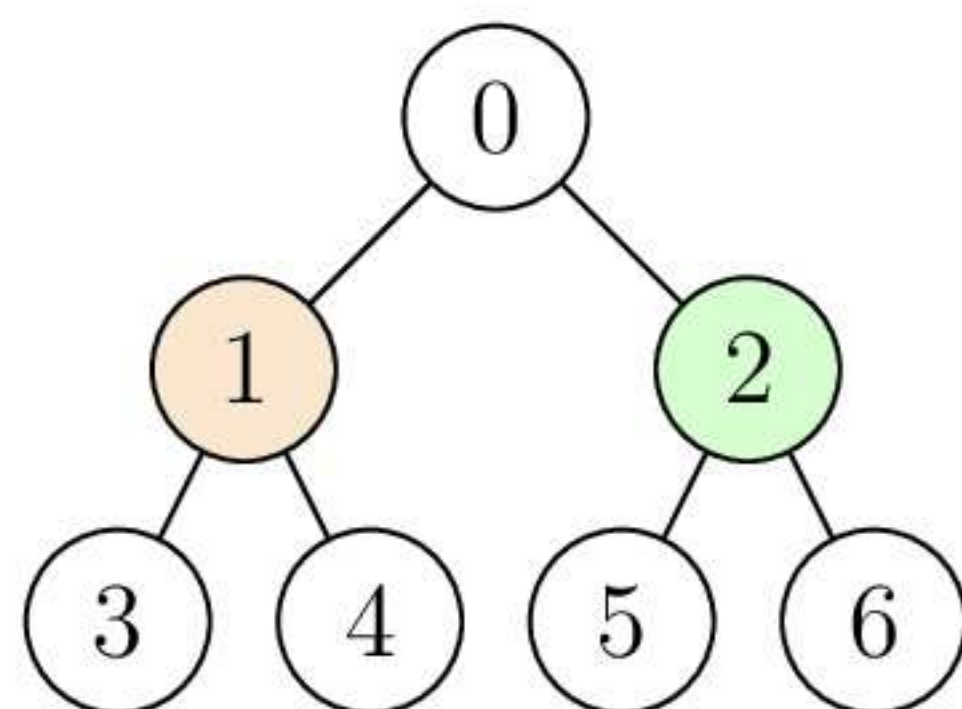


(a) Crossover

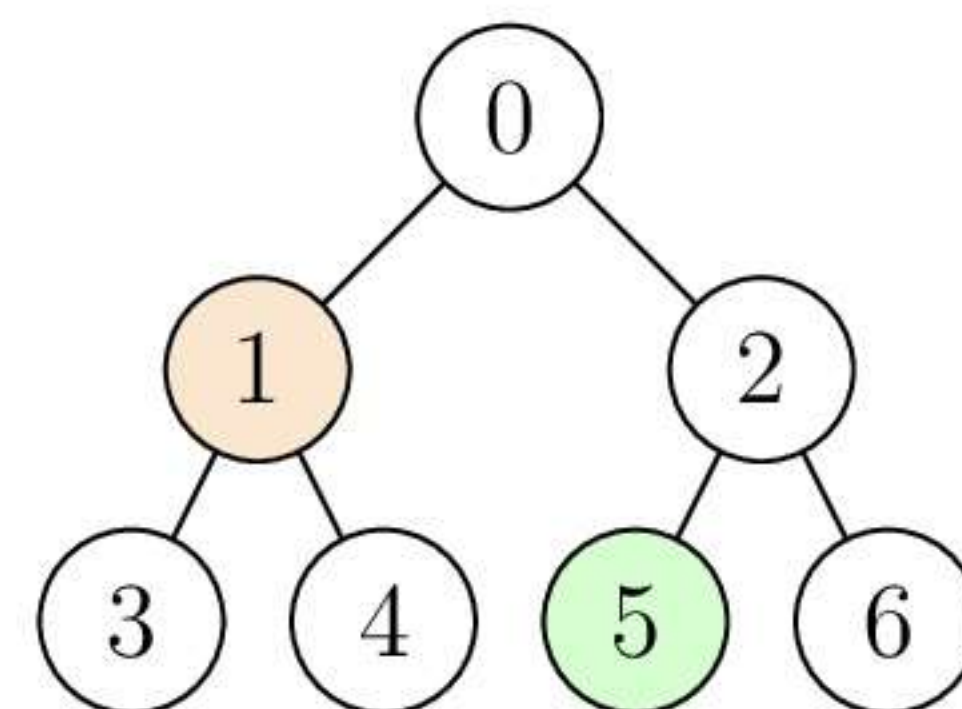
Initial cocktail  $x$



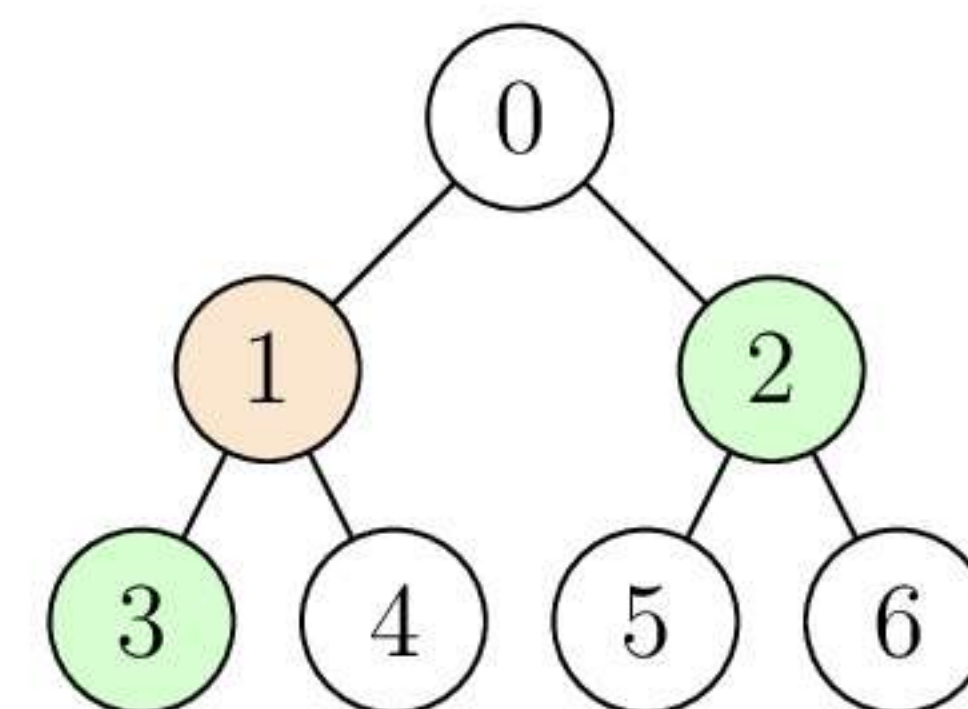
Initial cocktail  $y$



Final cocktail  $x$

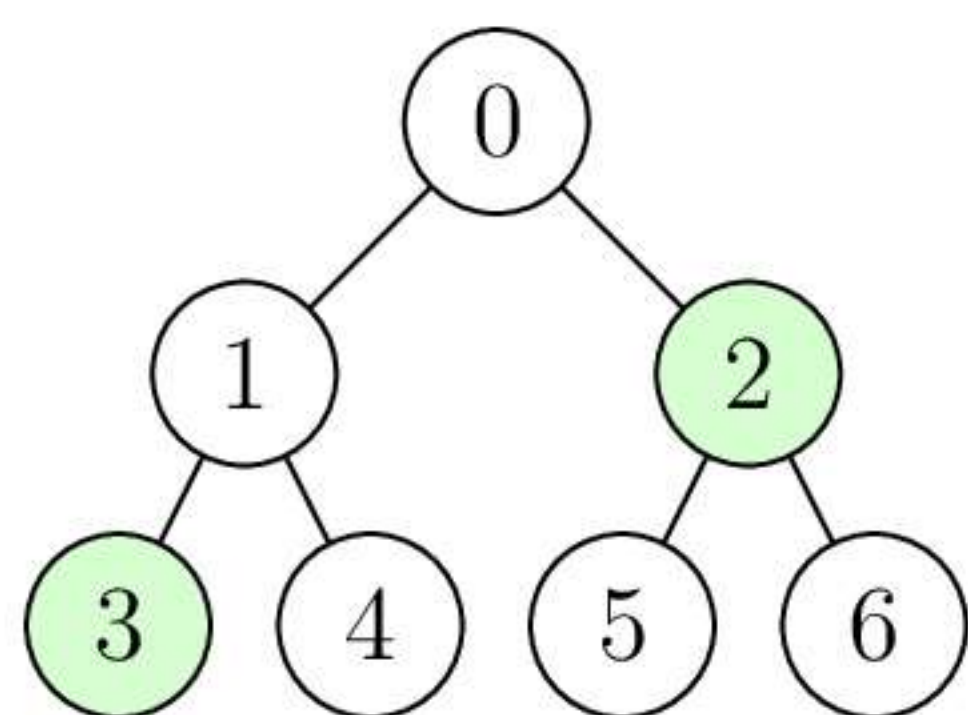


Final cocktail  $y$

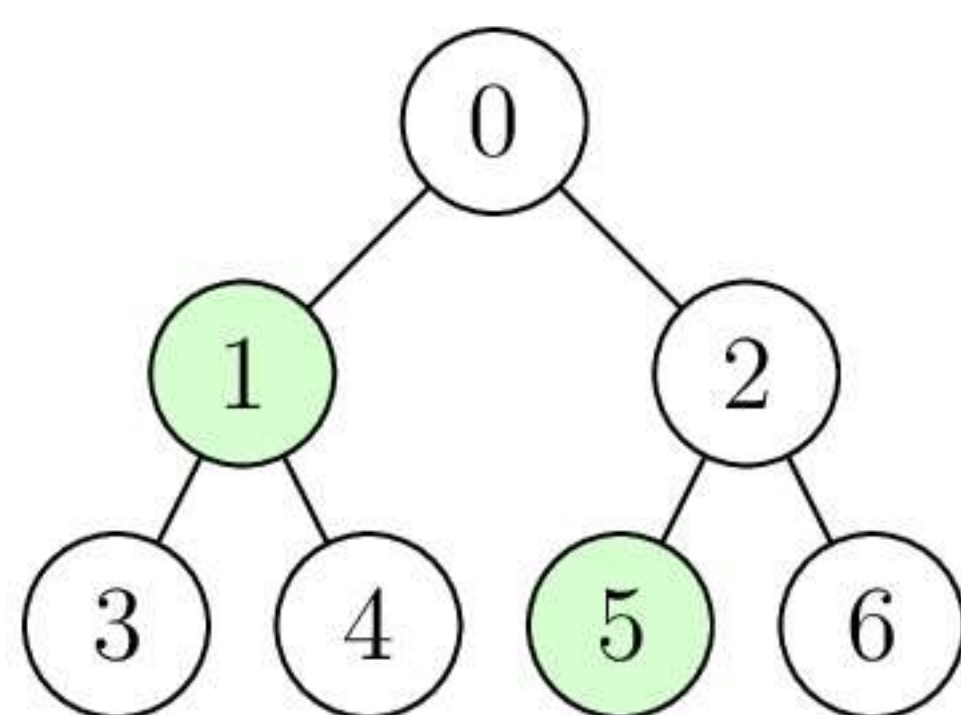


(b) Random mutation

Initial cocktail

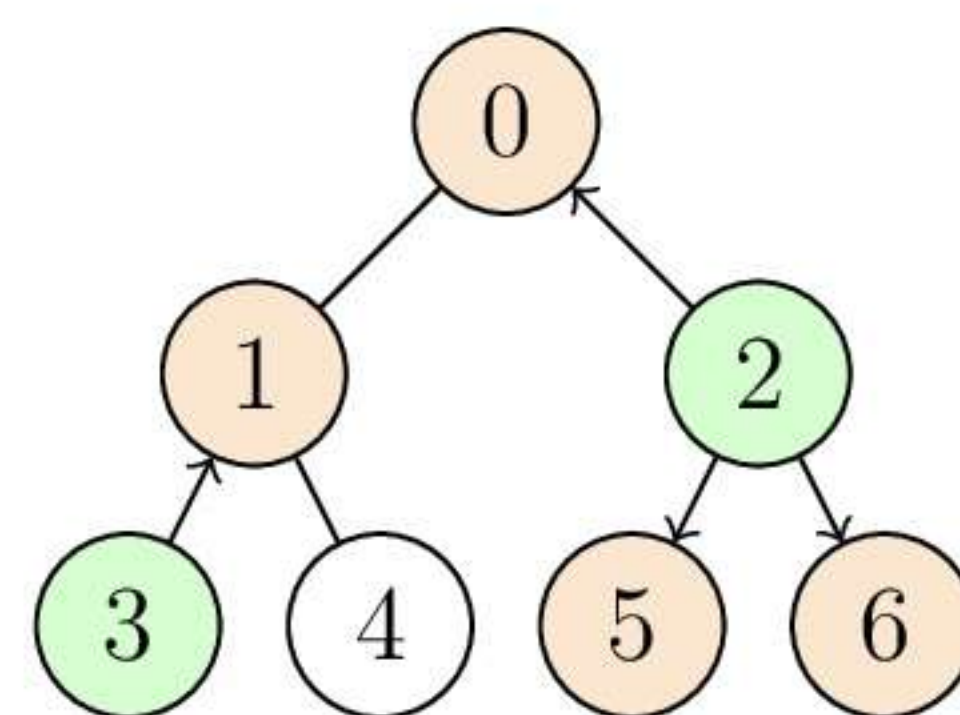


Mutated cocktail

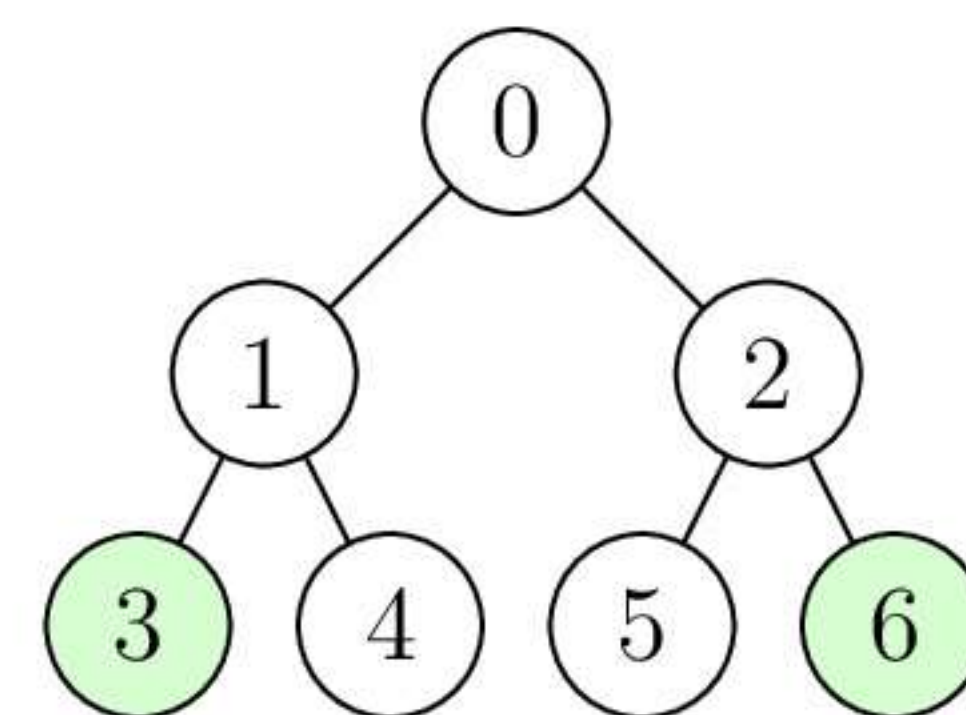


(c) Local mutation

Initial cocktail

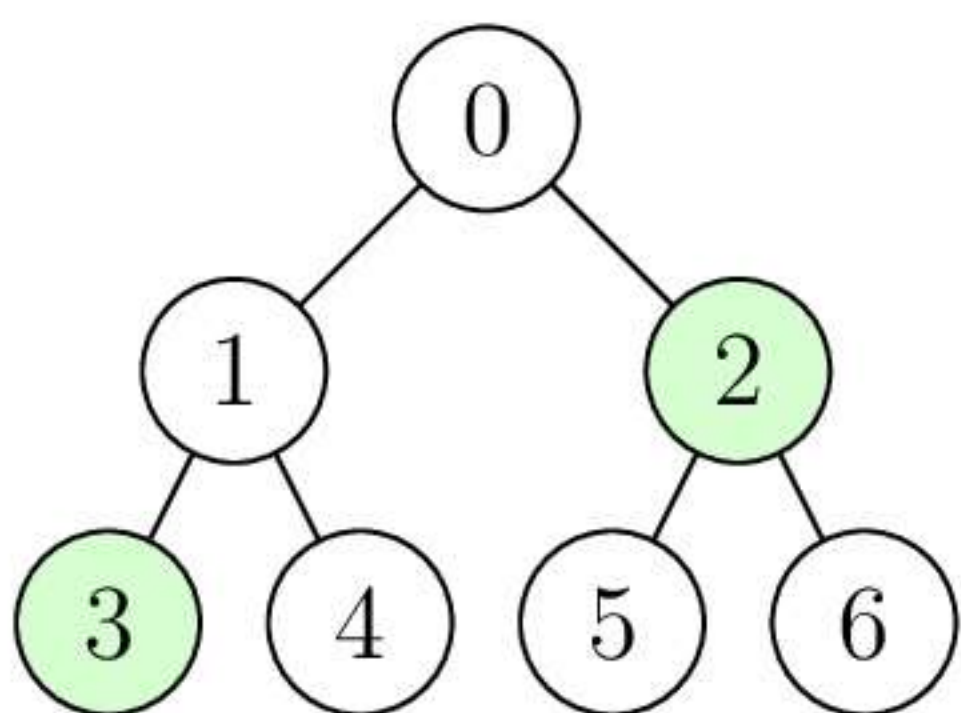


Mutated cocktail

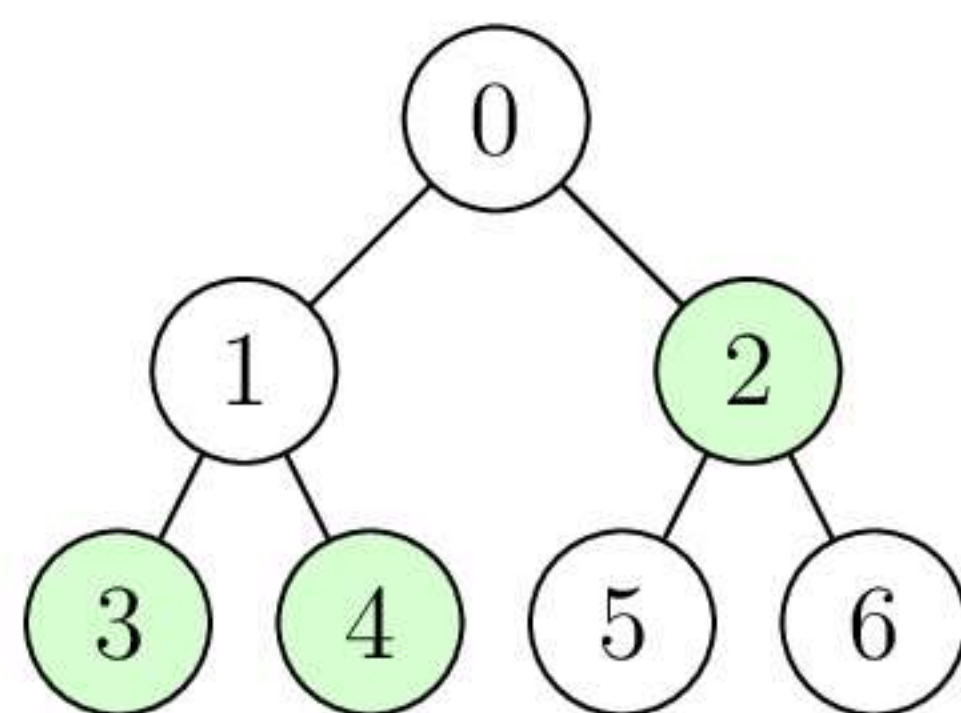


(d<sub>1</sub>) Addition

Initial cocktail

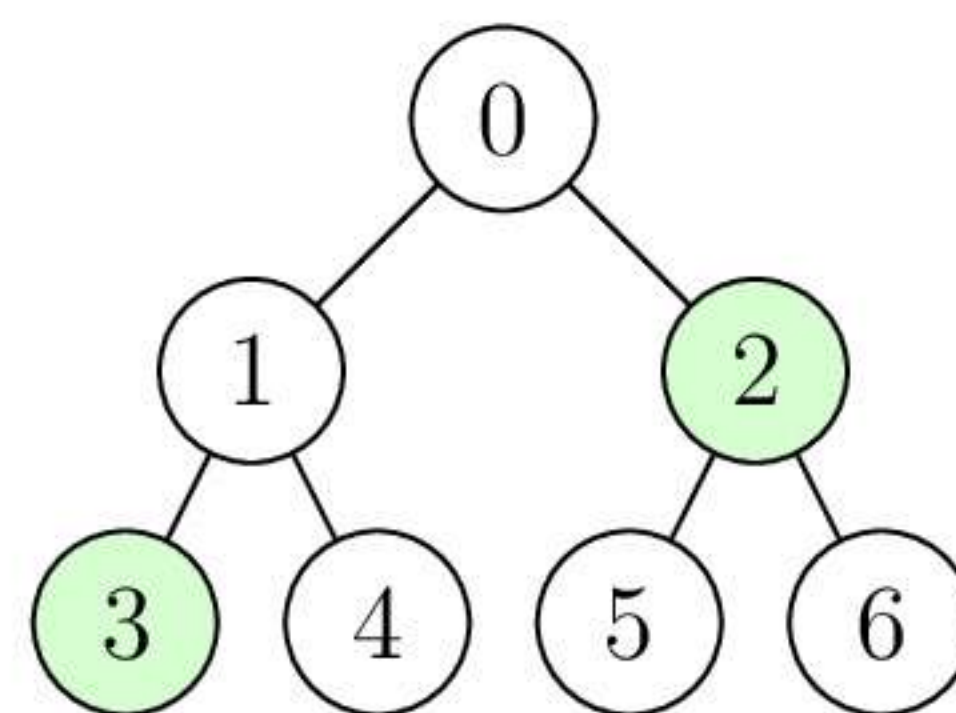


Mutated cocktail



(d<sub>2</sub>) Deletion

Initial cocktail



Mutated cocktail

