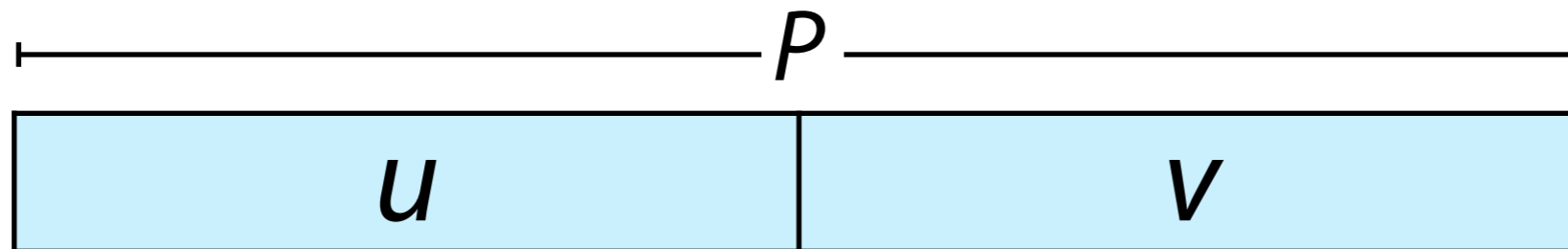


Approximate matching

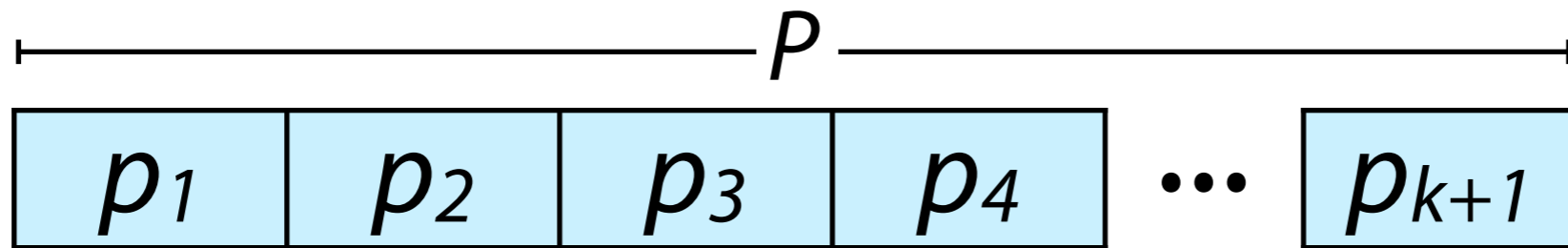
Wanted: way to apply exact matching algorithms to approximate matching problems

Approximate matching



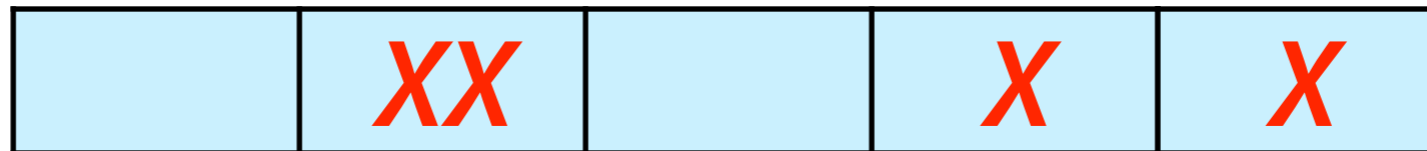
If P occurs in T with 1 edit, then u or v appears with no edits

Approximate matching



If P occurs in T with up to k edits, at least one of p_1, p_2, \dots, p_{k+1} must appear with 0 edits

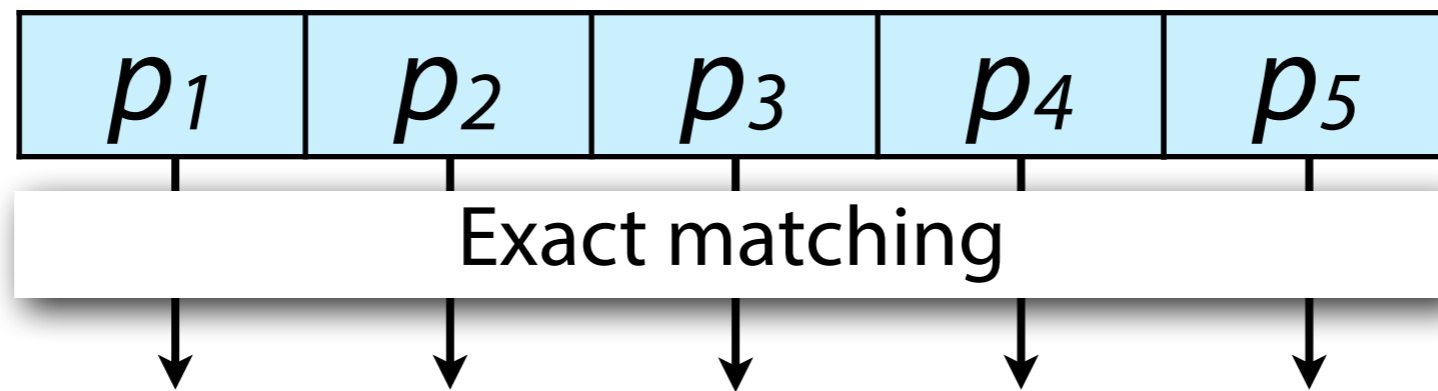
Approximate matching



Pigeonhole principle

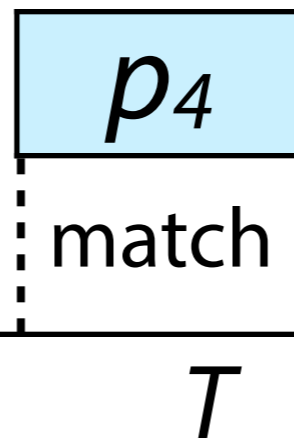


Pigeonhole principle

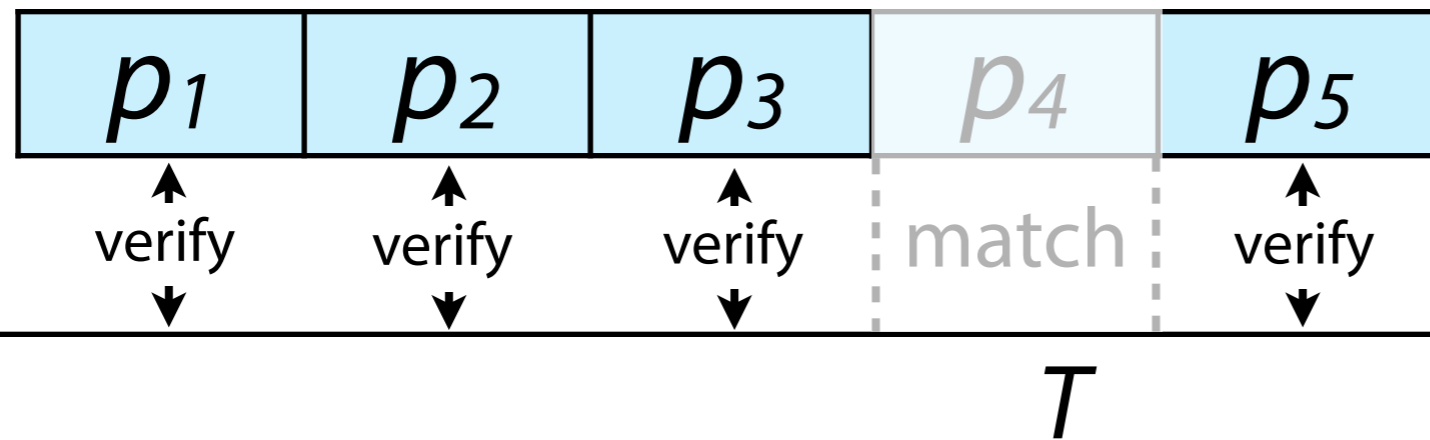


T

Pigeonhole principle



Pigeonhole principle



Pigeonhole principle

