

① → hold the knife

② → Sharpen

③ → cut the apple ⇐ 60% 80-100%

- Strings
- oops

2 more lectures

Strings

String → collection of characters

"Hello"

"Hello World"

~~a = 10;
b = 20;~~

Design by choice

String a = "Hello",

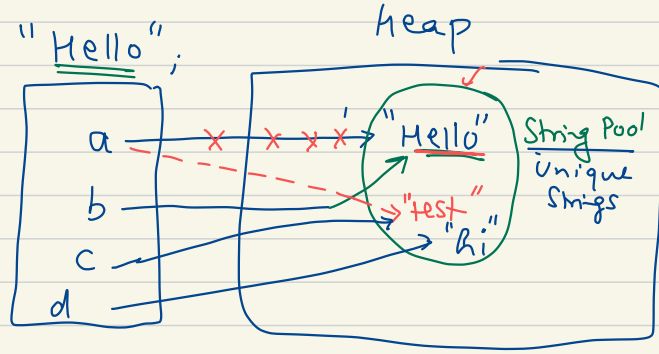
String b = "Hello";

✓ a = "test";

Immutable c = "test";

↓
can't be updated

d = "hi"



Unicode

↓
Huge set
different
type
of
characters
even other
languages

"Hindi",
"Russian",
...

String

→ Immutable object → An object that once created
can't be update.
(Can't Modify)

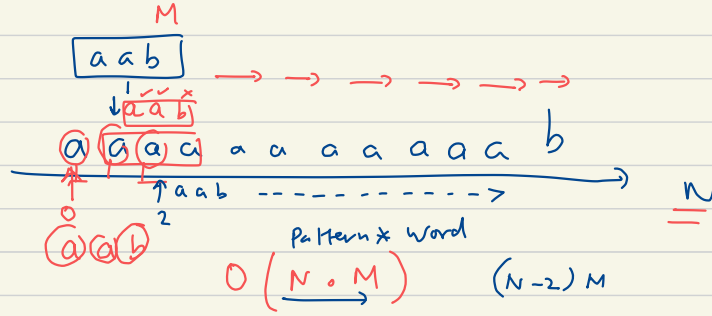
char [] arr = [h | i | l | l | o] ✓

Mutable

arr [0] = 'i',

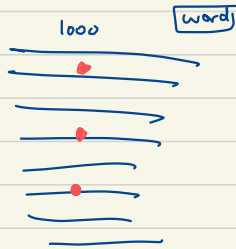


"tata"
→



Brute force

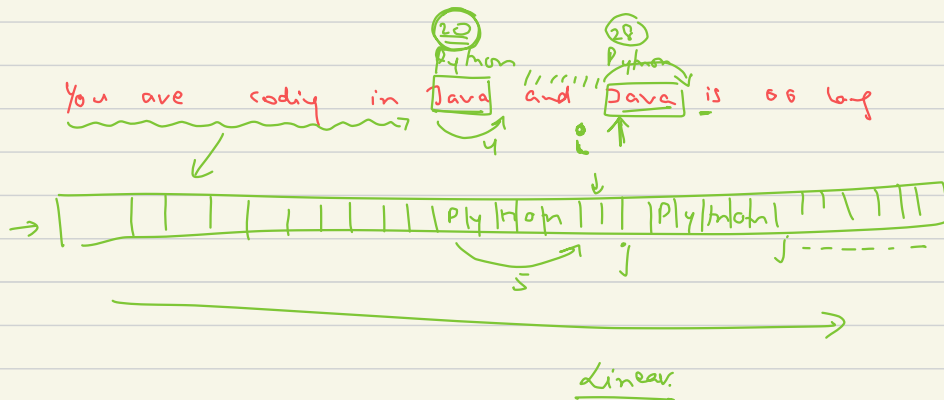
$\Rightarrow N * M$ comparisons



- KMP (Linear)
- Rabin Karp
- Z-algorithm

30cc

1



10.35

10 Min Break :)

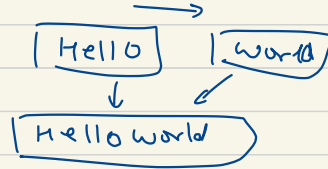


Strings → immutable

frequent
modification

↳ inefficient

"Hello" + "World"
↳ "Hello World"



String Builder → underlying array of variable size
≥ length. (expand or contract)

h e l l o | o | w o r l d | →