

336. Palindrom pairs

Example Ip ["abc", "cba"] ✓

$$abc + cba = \boxed{abccba \equiv abccba}$$

i=0

Left	right
a	bc
ab	c
abc	-

reverseDict

[cba, abc]
0 1

i=0
index=1

matched [0, 1]

i=1

Left	right
c	ba
cb	a
cba	-

matching with
reverseDict

[cba, abc]
0 1

[i=1
index=0]

o/p = [1, 0]

final o/p [0, 1] [1, 0]

1/P = aab, b ✓ output yes ✓

→ explanation $aab + b = aabb == bbaa$

reverse → baa, b

aab
index 0 →

left	right
a	ab
aa	b ←

matched at index 1

$s[b] == b$ ←

$i \rightarrow 0$

aab	" "
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$i = 1$

left	right
b	-

no output

So only possible combination is

aab + b
[0, 1] ✓

add index 0 + 1 gives
palindrom