x

$A = 0$

A ────── $(X/2)$ ──────► B $A = T$

P_1 P_2

speed = (distance)/Time $\left(V_{P_1} = 2V_{P_2} \right)$

$V_{P_1} = x/T$ $\Big|$ $T = \dfrac{x}{2 \cdot V_{P_2}}$

$T = \left(\dfrac{x}{V_{P_1}} \right)$

$\dfrac{x}{V_{P_1}} = \dfrac{x}{2 V_{P_2}}$

8

(A) → (B) → □(C) → (d) ⊣ (C) → (7) → (0)

7

Odd ﹋

even → 2nd middle
———
(1st middle)

H = 7K   C

$a|.$ ← $6|7K$ ← $c|4K$ ← $d|5K$ ← $e|6K$

  7K   4K   5K   6x   7K

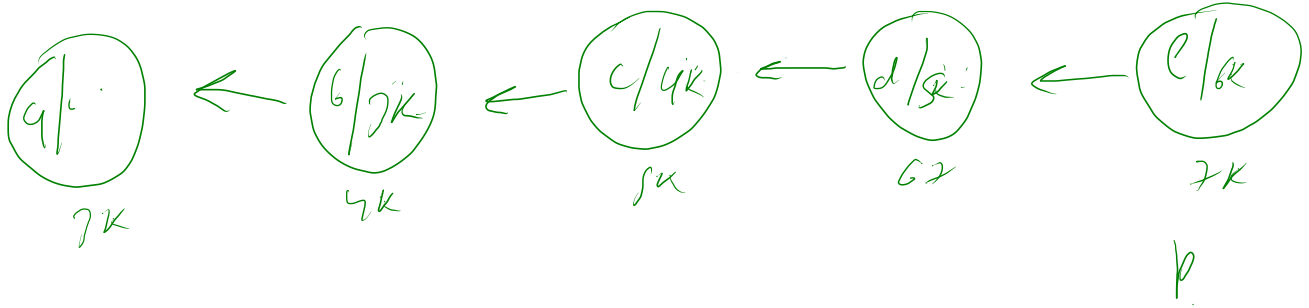   P   7

```python
def reverseList(self, head: Optional[ListNode]) -> Optional[ListNode]:
    prev, curr = None, head

    while curr != None:
        forw = curr.next   # Backup

        curr.next = prev   # link

        prev = curr # move
        curr = forw
```

y

① → ② → ③ → ④ → ⑤ → ③ → ② → ①

H   M   NH