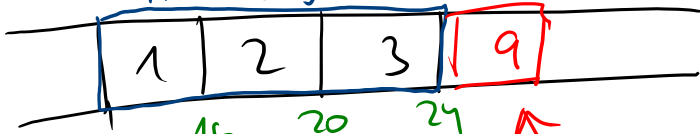


# POLE (STATICKÉ)

- STEJNÝ TYP PRVKŮ
- SOUVISLÁ OBLAST V PAMĚTI
- ⇒ INDEXACE  $O(1)$

INT A[3]



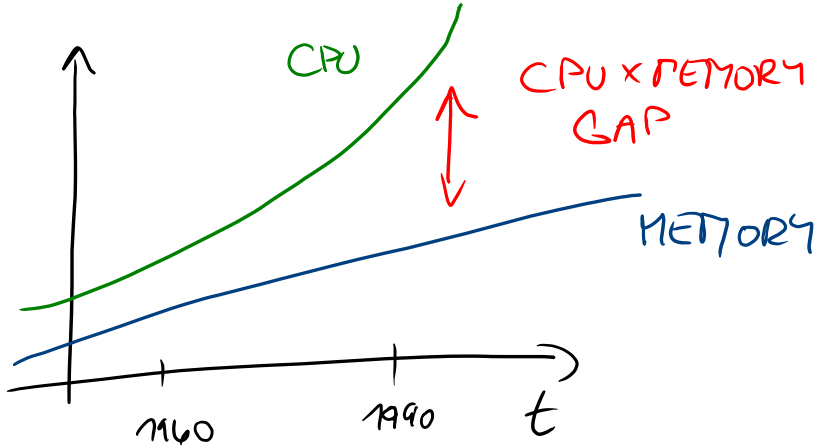
ADRESA: 12

16

20

24

INT B





B



MB



GB

VELOCITY

1

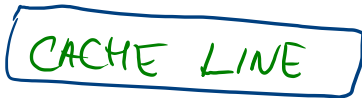
10

100

100x VELOCITY

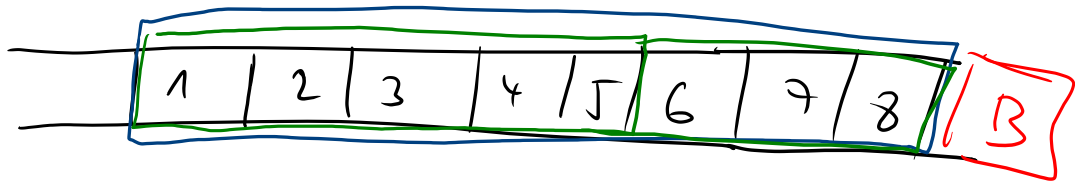
A[N]

FOR I=1 TO N:  
PRINT(A[I])



64 B

# DYN. POLE



PRÍDAVANÍ  
OPERÁCIÍ  
NA KONCI

PRÍDAVANÍ  
OPERÁCIÍ

→

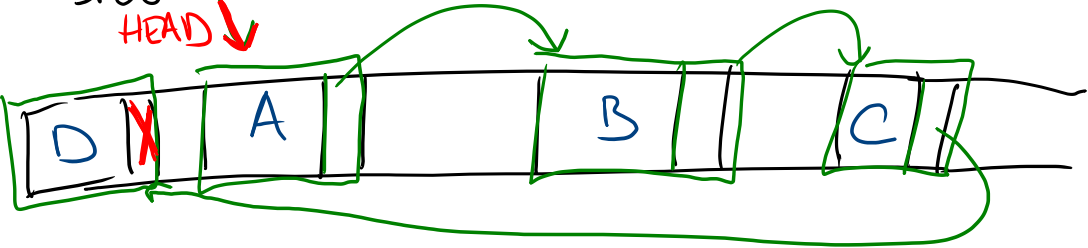
$O(1)$

(AMORTIZOVANĚ)

$O(N)$

(NEUHOŘSÍ PŘÍPAD)

SPOJ. SEZNAM  
HEAD ↓



SEKVENČNÍ PRŮCHOD  
INDEXACE

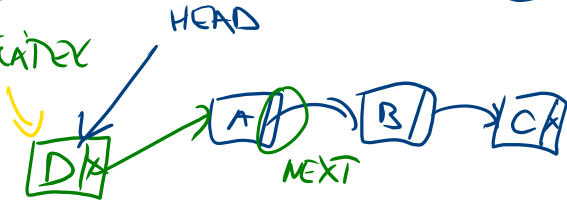
$O(N)$   
 $O(N)$

# SPOJ. SEENAN

→ PĀRĪDĀMĪ PRUKU

$O(1)$

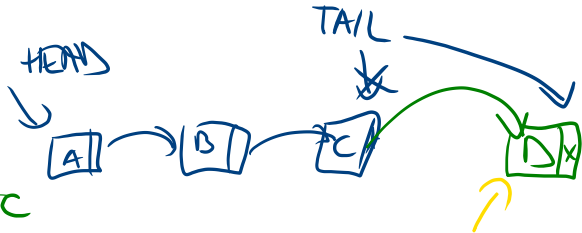
① NA SĀKĀTĀK

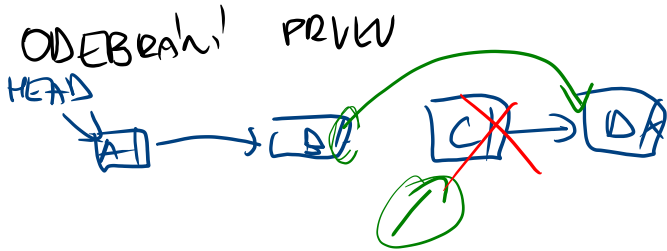


$O(N) / O(1)$

②

NA KONEC





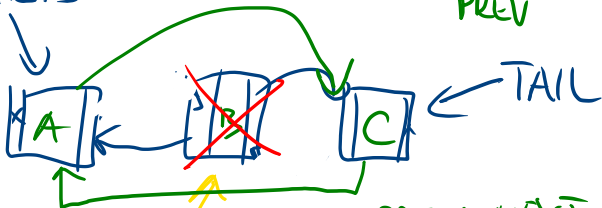
$O(N)$

B.NEXT = D

OROSTRANKE E...

HEAD

NEXT  
PREV

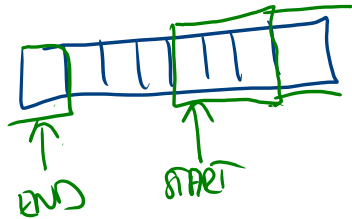


$B.PREV.NEXT = B.NEXT$   
 $B.NEXT.PREV = B.PREV$

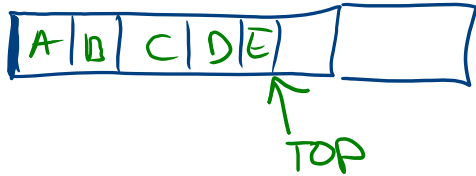
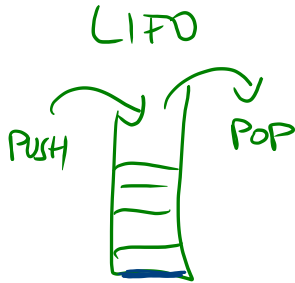
[MEMORY LEAK]



FRONTA



ЗНІСОБИК



PRIORITY FRONTA

$O(N)$

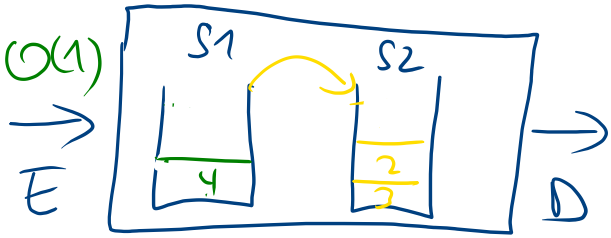
E:  2

D:   $O(1)$

---

E:  2  $O(1)$

D:   $O(N)$



$O(N)$

1, 2, 3, 4, 5

1, 2, 3, 4, 5      FIFO

E(1)

E(4)

E(2)

D()

E(3)

D() → 1

D: ANOTIZOVANĚ ?