Saturday, November 20, 2021

initially its apacity = 16

to contain $100 16 \Rightarrow 32 \Rightarrow 64 \Rightarrow 128$

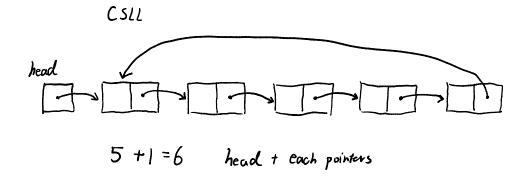
words number: 128x2 = 256 words

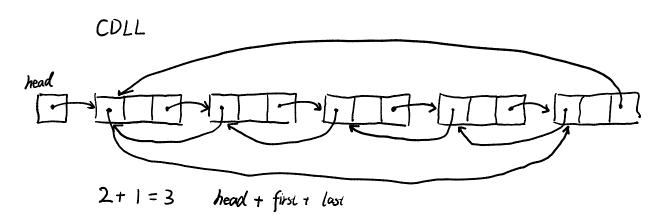
Usc DLCL (double linked circula, list)
each pointer (1 word)

Q4.
$$35*831+/+$$

$$\begin{cases}
1 & 4 \\
3 & 4 & 4
\end{cases}$$

Q5. CSLL (Circular Singly Linked List) 5 clements
CDLL (Circular Bubly Linked List) 5 elements





Q6. Singly linked list

Neader

This land

Dequewing means removing a node from the linked list

Enqueuing means appending a node to the linked list

So they will have the same constant cost

EED EEEDD push push push pop pop pop push jop Push push push pop pop pop push Push p op pop push push Pop pop 1+1+1+7+1+3+1+7 = 22