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GROUP : RCS1104B

PART A

Shades the best answer.

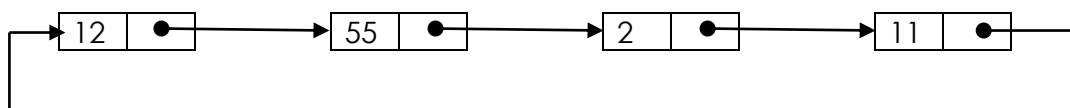
1. Which of the following is NOT a type of linked list?

Circular linked list	Doubly linked list	Singly linked list	Hybrid linked list
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2. Each node in a linked list contains a minimum of two fields, one field is called data field; to store data and another field is a ____.

pointer to a node	pointer to a class	pointer to an integer	pointer to a character
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3. Given the following diagram:



This diagram shows a Circular linked list.

Circular linked list	Doubly linked list	Reversed linked list	Singly linked list
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4. When user creates a reference to a linked list, it ____.

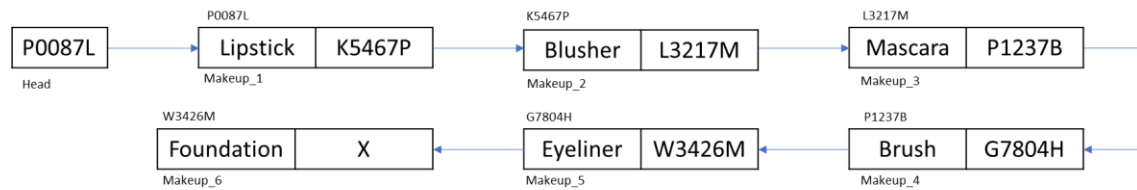
must refer to the first link	must refer to the link pointed by current node	must refer to the link pointed by the next node	can refer to any link user wants
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PART B

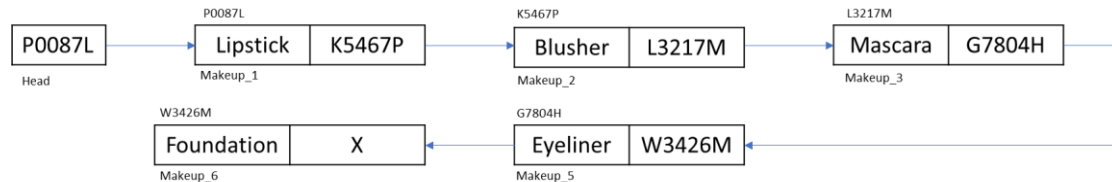
Listed in the given table are the nodes in a linked list name 'Beautiful':

Name of the node	Address of the node	Data of the node	Next address
Makeup_1	P0087L	Lipstick	K5467P
Makeup_2	K5467P	Blusher	L3217M
Makeup_3	L3217M	Mascara	P1237B
Makeup_4	P1237B	Brush	G7804H
Makeup_5	G7804H	Eyeliners	W3426M
Makeup_6	W3426M	Foundation	NULL

a) Draw the initial diagram of 'Beautiful'.

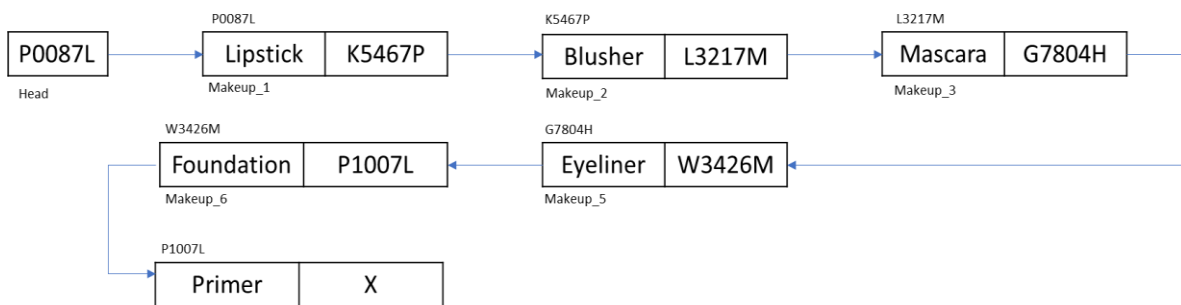


b) Remove the node named 'Makeup_4' from 'Beautiful'.



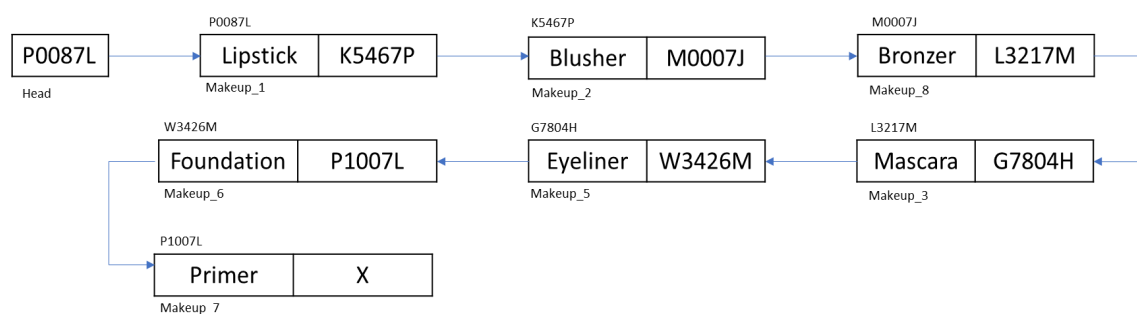
c) Make the node given in table below as the last node of 'Beautiful':

Name of the node	Address of the node	Data of the node	Next address
Makeup_7	P1007L	Primer	NULL

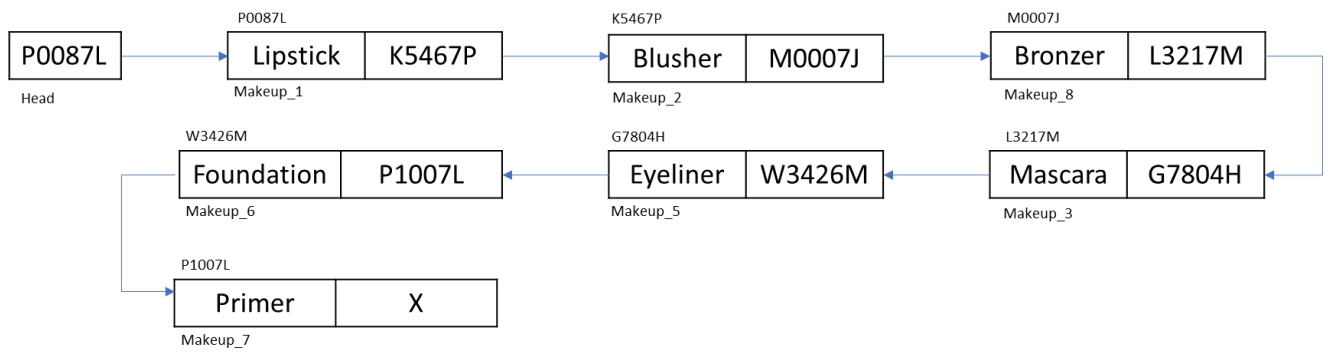


d) Insert the given node below between node named 'Makeup_2' and 'Makeup_3':

Name of the node	Address of the node	Data of the node	Next address
Makeup_8	M0007J	Bronzer	



e) Draw the final diagram for 'Beautiful'.



*Show clearly all the steps involved.