00/00/01 & 1/1/11/0 = 00/000/00 \$ == 00/00/0tes The prefix b 60/00/01 & 11160000 = 00/ 00000 Thepretix of C All prefix meeten 37.128.5.5, but according Long-Prefix matching. It will select interface b ii) 34 = 00 00/0 00/0 For a: 11111 000 & 0010 0010 = 0016 0000, match Forb: 1111 1110 & 0010 0010 = 00100010, un match Forc: 1110 0000 & 00100010 = 00100000 1 match a and c match IP 34.255.255.254. But prefix a is Lorger. So it will select interface a i) the mask is odo old! cause 0010 0101 / 2 1111 11100 = 6000000 matches the existed prefix b, and the hop interface is some. So no need to add entry ii) the pretix is only ofol 11 the above prefix matches prefix a and prefix b, while those are longer than prefixe, so it's necessary to add a new entry . Otherwise , it will be routed to interfee pretix Next Hop Interface The new entry is oolo of 11

i) The network will he idle in the most of time. The performance will decrease. ii) There will too manythesame retransmission in the network. The notwork load will be too heavy. b) Because in most cases the network is reliable. The most time waiting for ACK message is a great waste under stop--ord-wait ARQ. It could have been used to transmit more messages c) It's necessary to have flow control between them, Because flow control can not only control avoid congestion in network but also make sure the transmission speed is appropriate so that the receiver can receive **C** in time. It isn't necessary to have congession control. Because the not work is just end-to-end and dopsn't have a router. So there is no network congestion issue in This system

	No.
Q5	Date •
	15- 12-0 - 15- D
	1650-1200 = 450 B
	, 2070-1650 = 420 B
b) The seg no. of H	he segment trad host B wants to
next is 2070.	So the ACK no. is do 70.
	to receive the 2nd segment a
So the ACK is	1650.
	A AND THE STATE OF
	and the second of the second o
	The decimal we have
	The state of the s