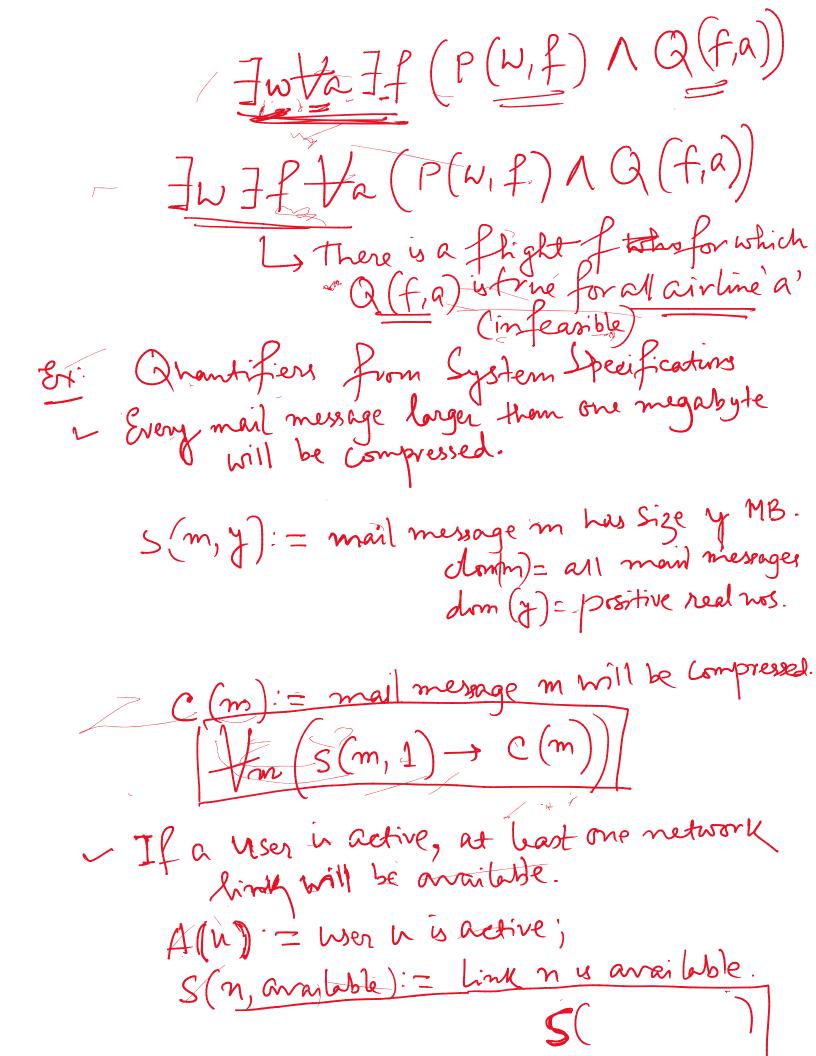
Quantifiers - 2
Monday, August 31, 2020 12:22 PM (1) There is an honest politician. H(x) = x is honest. In H(a), tohere domain of n is the politicions in the world. 7 JaH(n) = Ha - H(n) All peliticians are not X (not all peliticians are honest) (2) All Americans eat Cheese burgers. C(n):= x eats cheese burgers. He C(n), where n is an American $\neg \forall x \, C(n) \equiv \exists x \, \tau \, C(n)$ Ly there is an American who does not like Cheekburger.

Some Americans dognot like Cheese burgers.

Est If a person is female and is a parent, this then this person is someone's mother. F(n):= n is female.
P(n):= n is female. M(x,y)= x is the mother of y Ha (F(a) 1 P(a) -> Fry M(n,y),
Where ny = domain of people. Exi: Everyone has exactly one best friend.

B(n,y):=y is the best friend of x. JyB(n,y) / HZ((Z+y) -> ¬B(n,Z)) There is a book Woman toho has taken a flight on every airline in the world. P(w, f):= W has taken flight f. Q(f,a):= fis a flight of air line a Jwta If (P(W,f) 1 Q(f,a))



S(n, available): = link n & available.

[Jh A(h) In S(n, available)