professor
Mathematical
market operate
Excharge Economy 2 idividuals
2 " Aprilla"
[pofectly divisible good (money) Indivisible good , one unite unaviliably. (and individual who own good => Seller (C) mone
" allocation
is a complete descripition of money and the reddenge of buyer (D, Mb) Seller (I) individual money good money
· Fesiable allocation individually rational total b wility vanis
· Judge efficiency > pareto optimality of the pareto dominated. An allocation in PD
Ly if there exists no atternative allocation
that makes everybody at least as well off

and at least one person strictly bottom off.
· bilateral trade
bargoning (i) V>C
In any PO, buyer has the asset.
allocation
b (1, mb-t) t= transfer.
S (0, mc+t) V=tzc
surplus inprovement in tutal utility.
surplus inprovement in tutal utility. can be distributed in any form.
(\tilde{u}) $V=C=t$
2P0
(iii) V <c allocation.<="" initial="" is="" only="" po="" td="" the=""></c>
· multilatend trade
M buyers $V_1 > V_2 > \cdots > V_m$ N sellers $C_1 \leq C_2 \leq \cdots \leq C_n$
n seller $C_1 \in C_2 \in C_2 \in C_n$
Ex. Vi=10 Ci=2 C2=11