Dominant Strategy equilibrium.
(Video: Golden Bells: £100,000 spilt or steal 14/03/08)
E) colf doningut stratogra
× take opporant into consideration
=> sometime de not have DS
The Spitt-the-difference machanism
does not elicit truthtelling
(buyer underestinate fæller over estinate > vcc)
So D direct mechanism >
report a valuation and sost to machenism then executes trade
2 indirect mechanism
any game results in trade
eg asymmetric spilt-the-difference
- Spilt-the-difference game
seller name asking price
- Seller/bylor/rardom offer agune
- seller/brups/rardom offer gome - twice - repeated seller/bruyes/random offer gome
gested some house
=> revelation primiple
· ·
For every equilibrium, of every indirect mechanism, there exists a truthtelling equilibrium of some direct mechanism that

induce the same outcome. clominant strategy equilibrium
(c',v') traders report valuation/cost.
Twettomp (c',v') = probability of trade randomess
Cineliseit occur some of the time)
t (c',v') = experteel transfer from buyer to seller
? truthtelling > dominant strategy.
tolling the truth is optimal no matter what your
> opporent & choice.
reserve remaindre VPCC, V) - t(C, V) > VPCC, V) - t(C, V') + v', v, c' of comparison of the comparison
$(\langle x \rangle - \langle y \rangle) = \langle y \rangle $
Incentive constraint
Individual Rationality Constraint.
Individual Rationality Constraint. [IRD vp (c,v) - t(c, v) >0
IRG tcc,v) - cpcc,v) >0.
Lemma $p(c, v) = 0 \Rightarrow t(c, v) = 0$ $proof.$ (IRo $-t(v, c) \ge 0$ $ IRs = t(v, c) \ge 0$
proof (IRb -tcv,c) >0
IRs + t(v,c) > 0