Golden Balls

	split	steal	Nash Equilibria
split	0.5	1-大	stealing has social consequence
•	0.5	0	prisoner's dilemma is not indiment
Shai	1-K	0	nere

weakly dominant to stral

pro bal	pility	p	1-p			
						it you'n a recipricator,
	0.5	0	reciprocators ->	2	0	<del>-</del>
	,	0	+ mannialists	1	1.5	a reciprocator

 $S_1 * S_2$   $S_1 * S_2$   $S_2 * S_3 * S_4 * S_5 * S_5 * S_5 * S_7 * S_$ 

Nash Equilibrium: model players who are holding correct

News about each other: social convention.

 $\langle N, S, u \rangle$ 

normal-form reduction

if player responds

to what you say.

new information set

SER, set of rationalization strangies always nonempty
per response to orner rationalization strangy
strangy prohins is a nash equilibrium
(UVB Set n/ prob) that everyone plays their strangy
S is a prohim of weakly dominant strangies.
Nash Equilibrium Checklist
playiri are ranonal best responding to a uniform
· Who's playing? distribution
how comprex is tru game?
· loordinanng devites / signals
atomistic repetition (cannot maintain collusive
relationship ula prayer)
· how obvious?
· aliqued enough?
thm. Suppose for player i, N; is a compact, convex
Subjet of R mi and U; : S = R is continuous in S;
and quasi-concave in si. Thun, there exists a pure
Nash Eq of G.

f() is quasi-concave et XXX' and XXE[0,1]



