

Using backward induction, ($N \geq 1$), the unique SPNE is $(R, R, \dots)$

Suppose $N=2$;

	R	D
R	$(\underline{2}, \underline{2})$	$(\underline{\frac{1}{2}}, \underline{\frac{1}{2}})$
D	$(\underline{\frac{1}{2}}, \underline{\frac{1}{2}})$	$(\underline{\frac{1}{2}}, \underline{\frac{1}{2}})$

$(D, D, \dots)$ is also a NE but is not subgame perfect