$$d:G:$$
 return  $G$ , prob.  $p$ 

1-d:  $B:$  return  $G : G : prob. g < p$ 
 $pG > gB > 1$ 

socially desirable

Bank:  

$$R_{g} \cdot R_{g}$$
  
 $+ (1 - \alpha) \left( g \left( R_{g} - 1 \right) - (1 - \beta)_{1} \right)$ 

3.6. 
$$p(G-R_G) \ge 0 \quad (P.C.-G)$$
 $g(B-R_B) \ge 0 \quad (P.C.-B)$ 
 $pRG-1 \ge 0$ 
 $g(P.C.-Bank)$ 
 $g(P.C.-Bank)$ 

$$P. C. - G \Rightarrow RG = G$$

$$P. C - B \Rightarrow RB = B$$

$$P. C. Bank$$

$$P. C. Bank$$

$$P. RG - 1 = PG - 1 > 0$$

$$RR - 1 - 0B - 1 > 0$$

$$\int_{\mathbb{R}^{n}} \mathbb{R}^{n} = g \mathbb{R$$

2. Prank: 
$$R$$

were  $TI = TI_G + TI_B$ 
 $R$ 
 $S.t.$   $TI \ge 0$   $PC - Prank$ 
 $P(G-R) \ge 0$   $P.C. - G$ 

$$PC - B \qquad R^* = G \qquad R^* = B$$
Optimal R for the back:
$$T(G) < O \qquad T(B) > O$$

$$R^* = B \qquad PC - B \qquad B$$

$$(2) \quad \overline{\Pi}(G) > 0 \quad \overline{\Pi}(B) > 0$$

$$\overline{U(G)} > \overline{I(B)}$$

$$\mathbb{R}^* = G,$$

$$G, B$$

$$\frac{dpG + (1-d)fG - 1}{T(G)}$$

$$> (1-d)(GB - 1)$$

$$T(B)$$

$$\Pi(G) < \Pi(B)$$

$$\emptyset$$

$$R^* = B$$

$$B$$

4. Previous: Rack 
$$R \leftarrow 1$$
now:  $R \leftarrow 1 - \{\omega\}$ 

$$R \leftarrow 1 - \left( \omega \right)$$

PC-Banh?

$$\Pi(R_{\bullet}) = d \left( pR - (n-\omega) \right) + (n-\omega) \left( qR - (n-\omega) \right) \\
profit G profit N$$

$$= \left( dp + (n-\omega)q \right) \left( G - \frac{\omega}{p} \right) - (n-\omega)$$

$$\stackrel{?}{\sim} 0$$

$$\Pi (R_2) = (1-\alpha) \left( q R - (1-\omega) \right)$$
Sep.

$$profil B$$

$$= ( \Lambda - \sigma ) ( \beta \beta - \Lambda ) )$$

Rawh's optimization problem

(1) 
$$T(R_1) \langle 0 \rangle T(R_2) \rangle \rightarrow \mathbb{R}^* = \mathbb{R}_2 , \mathbb{R} \langle \text{sep.} \rangle$$

(2)  $T(R_1) \rangle \circ T(\mathbb{R}_2) \rangle \circ$ 

$$R^{*} = R_{1}? R_{2}?$$

$$T(R_{1}) T(R_{2}) \Rightarrow R^{*} = R_{1}$$

$$T(R_{2}) \Rightarrow T(R_{1}) \Rightarrow R^{*} = R_{2}$$

$$Post. G. B. cep. B$$

$$(Ap + (A-a)q? (G-V)) T(R_{1})$$

$$- (A-W)$$

$$(A-a)(gB-A) T(R_{2})$$

$$State of Corrowers$$

$$\Rightarrow (A-a)(gB-A) + (A-a)(a-V) T(R_{2})$$

$$post of failure$$

$$rifo. rest B.$$

2. Moral harard

Λ,

lender: PC-l

0

$$R \leq \hat{R} \Rightarrow good \qquad pR-1 \geq 0$$

$$\Rightarrow R = \hat{R} \qquad =$$

$$R > \hat{R} \Rightarrow bad \qquad pqB-1 \leq 0$$

2. charge high R

G

PC-G:

$$\Rightarrow$$
  $R = \left\lceil \frac{1}{p} \right\rceil$ 

$$\frac{1}{R} \leq \frac{R}{R}$$

$$\frac{1}{R} \leq \frac{R}{R}$$

$$\frac{1}{R} = \frac{1}{R} - \frac{1}{R}$$

$$\frac{1}{R} \leq \frac{1}{R} - \frac{1}{R}$$

$$\frac{1}{R} \leq \frac{1}{R} - \frac{1}{R}$$

$$\frac{1}{R} \leq \frac{1}{R} + \frac{1}{R}$$

$$\frac{1}{R} \leq \frac{1}{R}$$

$$\frac{1}{R} \leq$$

