

Liveness

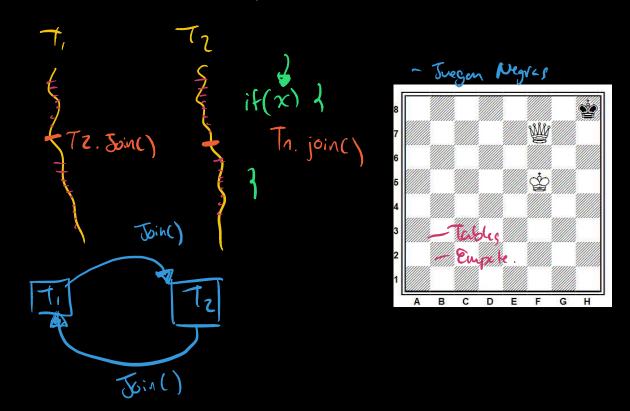
"Vivacidad" Ly propreded de que tay

<u>correctemente</u> se exter

egecutuale un programa

concumente

1 Dead lock: 2 hilos bloqueandose mutuamente. Cada hilo bloquea al otro.



Tr: (Amend 2)

Sync (A) Il local) Sync (B) I alocal)

Sync (B) Il local) Sync (A) I alocal)

Il calocal

Il caloca

Livelock: los hilos no quedan totalmente bleque colos, pero se encuentran en un estado en ul que un pueda nacer minyon progreso significativo. (Pepeticiaes)

Ties To this (RC2) of Sync(x) of Sync(x) of X. inc() 1/x++1;  $A = x \cdot get Ualre()$   $A = x \cdot get Ualre()$   $A = x \cdot get Ualre()$   $A = x \cdot get Ualre()$ 

T.:

$$\chi = \emptyset$$
 $\chi = 1$ 

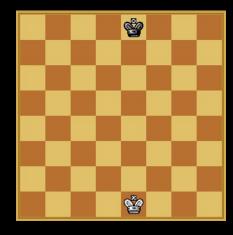
$$\rightarrow$$

$$\chi = 0$$

 $\chi = -1$ 

$$\chi = -1$$

Ring- Pang



Staruation: Sochets: 210C Sche T100: whye (...) While (-) } (m106: S100, redlige) (n1 = 51. read line() print (in 100); Print (In1) ] Executor, new Cache Theod Roll() Essenter. Fexed Thead Pool (n) Theed Pools: 200 mi-lista\_liles = new [lilo [200]; For ( .... 2007 ) Milista hiles (i), Stort();

7,000 | 53