	(1,X) start	(1,Y)	(2,X) final	(2,Y) final	(3,X)	(3,y)
a	(2,Y)	(2,Y)	(1,Y)	(1,Y)	(3,Y)	(3,Y)
b	(3,X)	(3,X)	(2,X)	(2,X)	(3,X)	(3,X)

start

Dead states