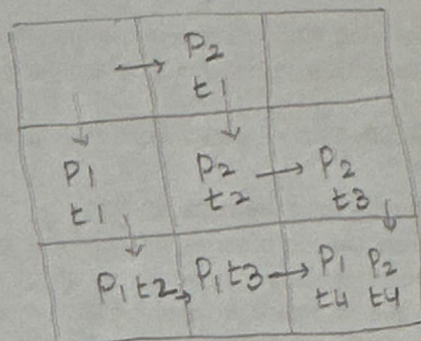
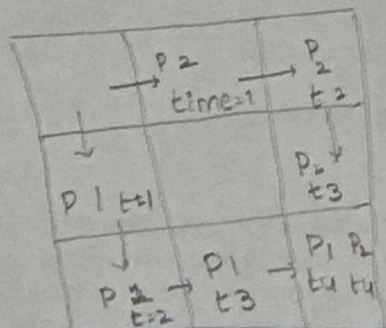


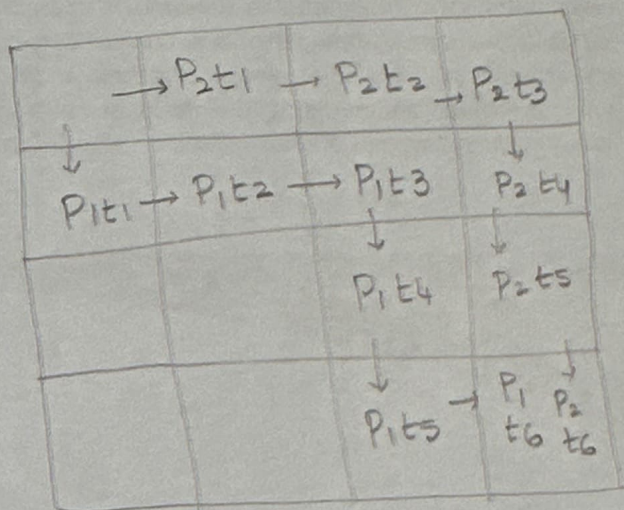
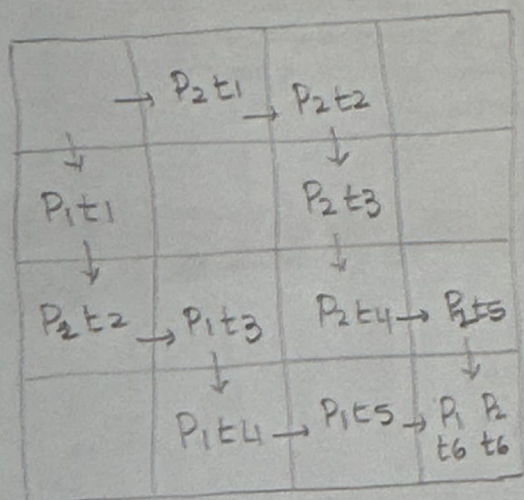
Bottom Corner

If both move Once cell at a time, both will reach End at Same time. Since this is a $n \times n$ matrix

Eq:



P = Person
t = time



#	0	1	2
0	$r_1=0$ $r_2=0$ $c_1=c_2=0$	C	X
1	C		X
2	C	C	C

$F(0, 0, 0)$

$r_1=0$ $r_2=0$
 $c_1=0$ $c_2=0$

both move down

Both move right
 P_1 right P_2 down

$r_1c_1=01$
 $r_2c_2=01$

$r_1c_1=10$
 $r_2c_2=10$

P_1 down
 P_2 right
 $r_1c_1=10 \rightarrow \text{Cherry}=1$
 $r_2c_2=01 \rightarrow \text{Cherry}=1$

$r_1c_1=01$
 $r_2c_2=10$

both down

$r_1c_1=20 \rightarrow \text{Cherry}=1$
 $r_2c_2=11 \rightarrow \text{Cherry}=0$ both right

$-\infty$
 $r_1c_1=21$
 $r_2c_2=12$

P_1 right
 P_2 down

both down
 $-\infty$
 $r_1c_1=30$
 $r_2c_2=21$

P_1 down
 P_2 right
 $-\infty$
 $r_1c_1=30$
 $r_2c_2=12$

$r_1c_1=21$
 $r_2c_2=21$ } Some cell
 $\rightarrow \text{Cherry}=1$

both right

P_1 right
 P_2 down
 $-\infty$
 $r_1c_1=22$
 $r_2c_2=31$

$r_1c_1=22$
 $r_2c_2=22$ } Some cell
 $\text{Cherry}=1$

both down
 $-\infty$
 $r_1c_1=31$
 $r_2c_2=31$

P_1 down
 P_2 right
 $-\infty$
 $r_1c_1=31$
 $r_2c_2=22$

Total = 5