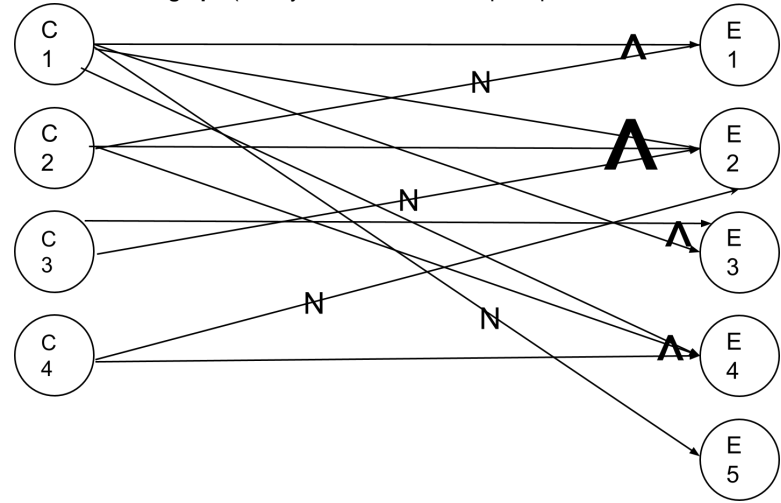


Print as PDF: use A4, portrait, fit to page, narrow margins, avoid pagebreak within tables. Submit PDF to Gradescope.

1. What are the causes, what are the effects?

Cause C1	Card is valid	Effect E1	Ask for pin
Cause C2	Pin is correct	Effect E2	ask for amount
Cause C3	third invalid pin	Effect E3	Atm eats card
Cause C4	Enter the amount(if exists)	Effect E4	Money is paid
Cause C5		Effect E5	Card rejected
Cause C6		Effect E6	

2. Causes-effect graph (modify as needed, for multiple inputs make clear whether AND (^) or OR (v) is meant)



Double click to edit

V			TC1	TC2	TC3	TC4	TC5	TC6
Causes	C1	Card is valid	0	1	1	1		
	C2	Pin is correct	-	0	1	1		
	C3	Third invalid pin	-	1	0	0		
	C4	Enter the amount(if exists)	-	-	1	0		
	C5							
	C6							
Effects	E1	Ask for pin	0	1	1	1		
	E2	Ask for amount	0	0	1	1		
	E3	Atm eats card	0	1	0	0		
	E4	money is paid	0	0	1	0		
	E5	Card rejected	1	0	0	0		
	E6							

No need for test case for C2 = False and C3 = False since if C3 is False then C2 is true.