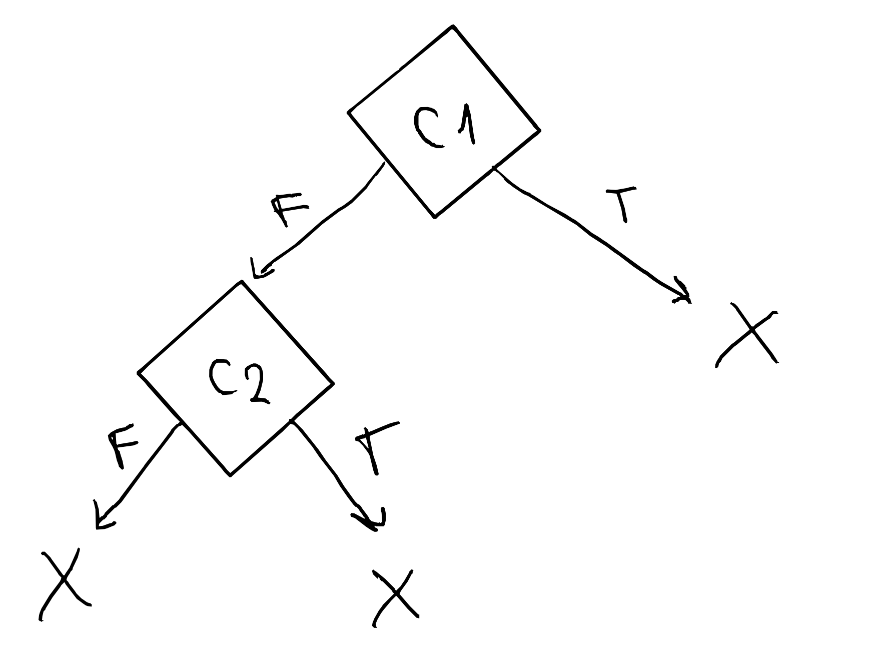
1

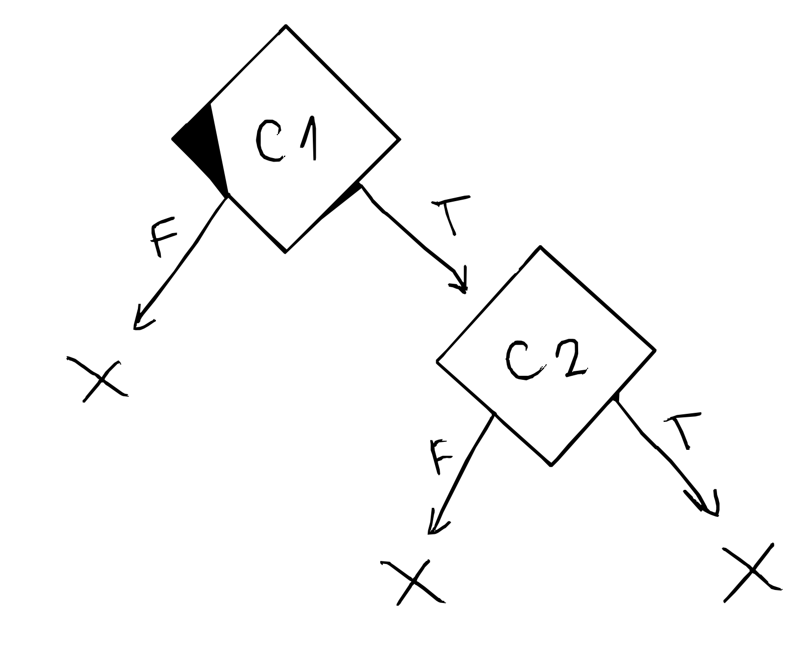
a.

Iter	Input Concr.	Cond. Ruta	Formula p/dem	Resultado pos.
1	a=0, b=0, c=0	C1	¬C1	$a_0=0$ $b_0=0$ $c_0=1$
2	a=0, b=0, c=1	¬C1 && ¬C2	¬C1 && C2	$a_0=0$ $b_0=2$ $c_0=1$
3	a=0, b=2, c=1	¬C1 && C2	END	END



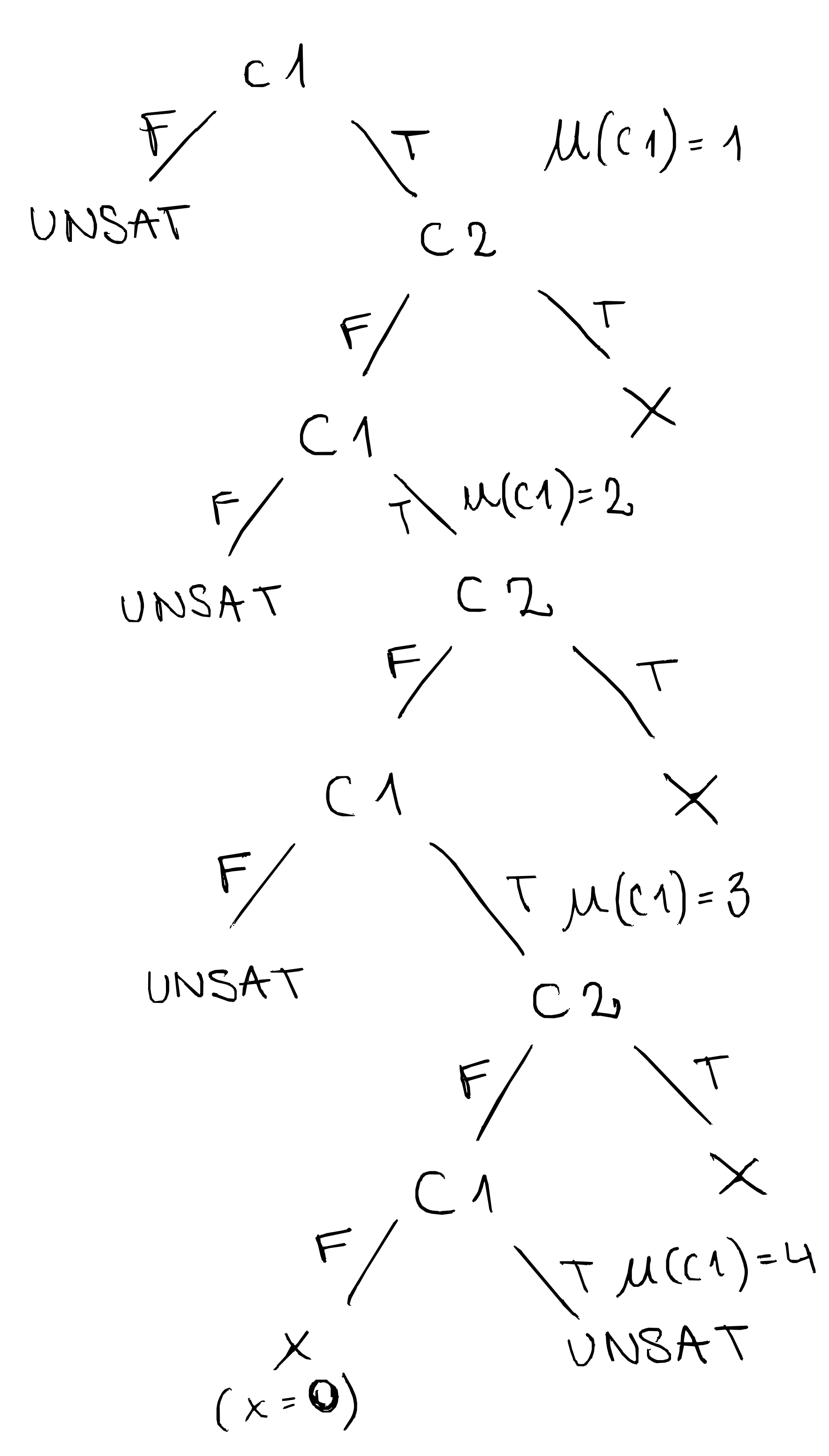
2)

Iter	Input Concr.	Cond. Ruta	Formula p/dem	Resultado pos.
1	x=0, y=0	C1 ∧ ¬C2	C1 ∧ C2	$x_0=22$ $y=11$
2	x=22, y=11	C1 ∧ C2	¬C1	$x_0=0$, $y_0=1$
3	x=0, y=1	¬C1	END	END



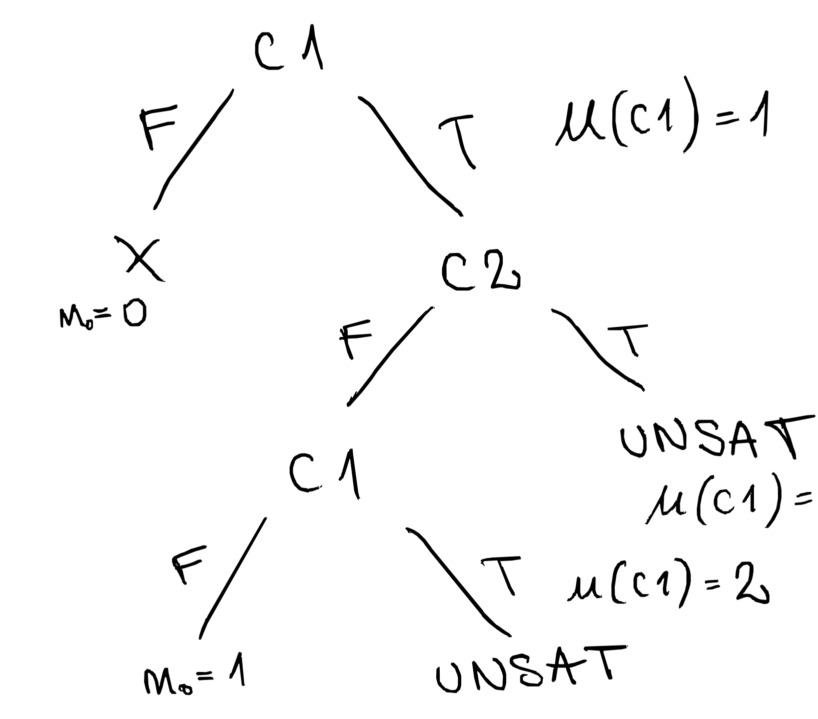
3) $\mu(C1) \leq 3$

Iter	Input Concr.	Cond. Ruta	Formula p/dem	Resultado pos.
1	x=0	C1_1 ∧ ¬C2_1 ∧ C1_2 ∧ ¬C2_2 ∧ C1_3 ∧ ¬C2_3 ∧ ¬C1_4	C1_1 ∧ ¬C2_1 ∧ C1_2 ∧ ¬C2_2 ∧ C1_3 ∧ ¬C2_3 ∧ C1_4	UNSAT $\mu(C1) \leq 3$
			C1_1 ∧ ¬C2_1 ∧ C1_2 ∧ ¬C2_2 ∧ C1_3 ∧ C2_3	$x_0=9$
2	x=9	C1_1 ∧ ¬C2_1 ∧ C1_2 ∧ ¬C2_2 ∧ C1_3 ∧ C2_3	C1_1 ∧ ¬C2_1 ∧ C1_2 ∧ ¬C2_2 ∧ ¬C1_3	UNSAT
			C1_1 ∧ ¬C2_1 ∧ C1_2 ∧ C2_2	$x_0=7$
3	x=7	C1_1 ∧ ¬C2_1 ∧ C1_2 ∧ C2_2	C1_1 ∧ ¬C2_1 ∧ ¬C1_2	UNSAT
			C1_1 ∧ C2_1	$x_0=5$
4	x=5	C1_1 ∧ C2_1	¬C1_1	UNSAT
			FIN	



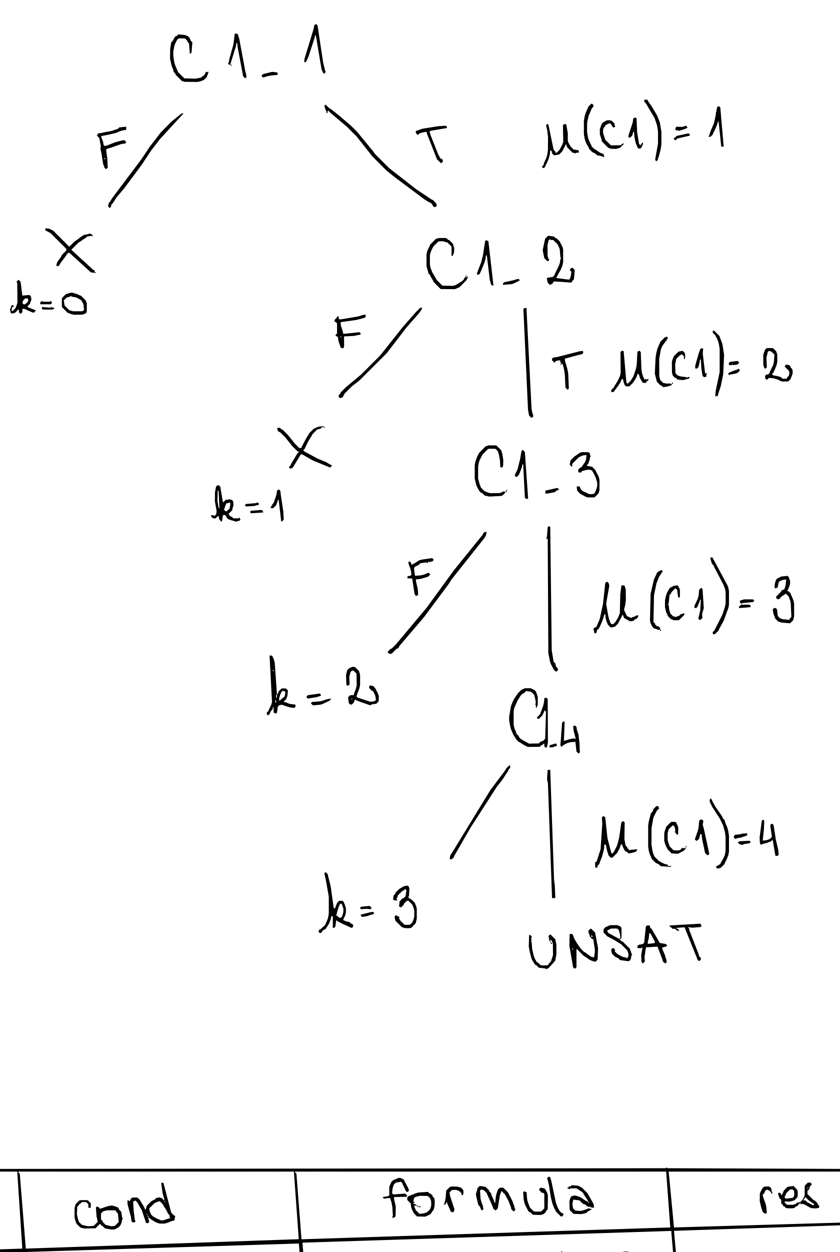
4) $\mu(C1) \leq 1$

It	cin	cond	formula	res
1	n=0	¬C1_1	C1_1	$m_0=1$
2	m=1	C1_1 ∧ ¬C2_1 ∧ ¬C1_2	C1_1 ∧ ¬C2_1 ∧ C1_2	UNSAT
			C1_1 ∧ C2_1	UNSAT
			FIN	



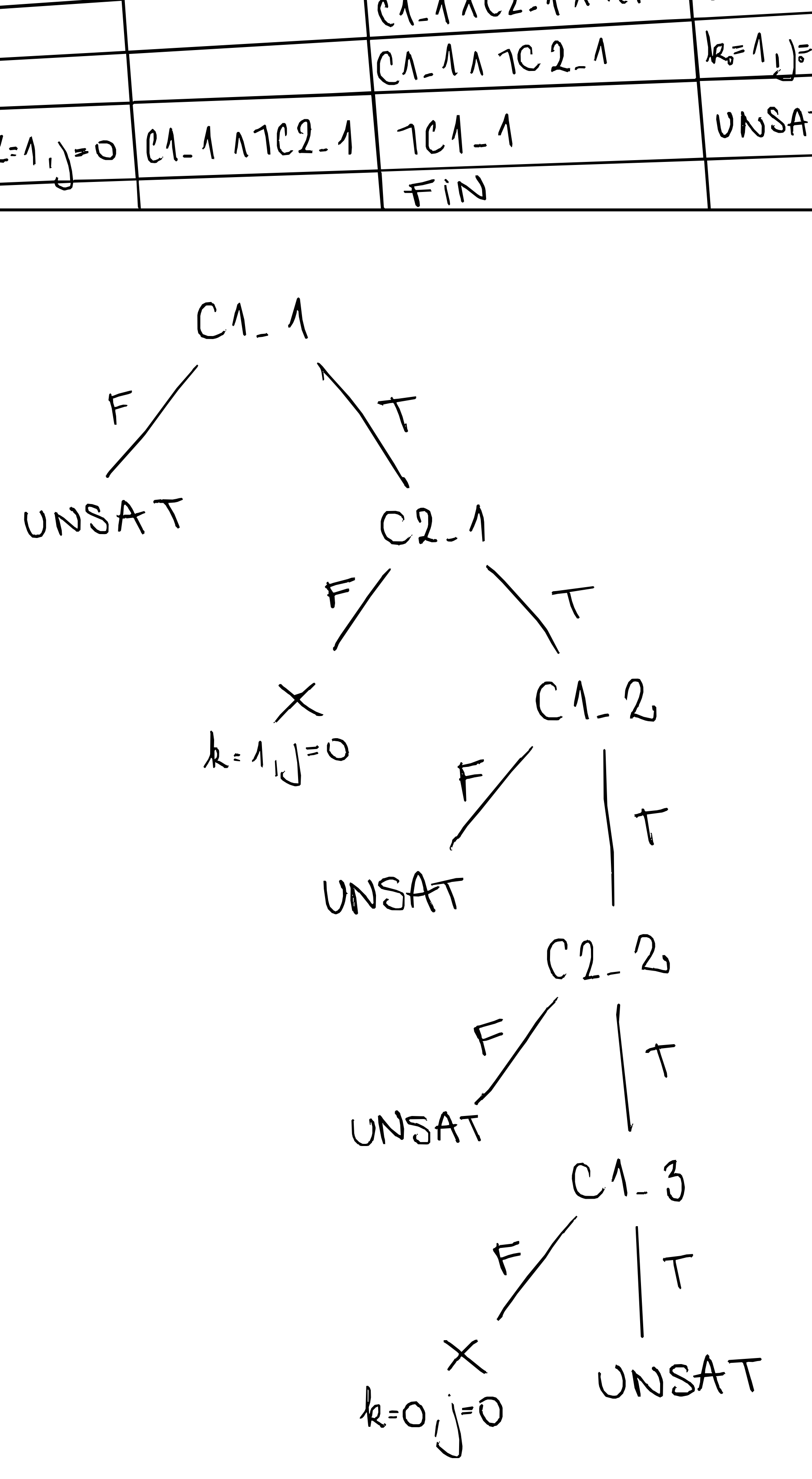
5) $\mu(C1) \leq 3$

It	cin	cond	formula	res
1	k=0	¬C1_1	C1_1	$k_0=1$
2	k=1	C1_1 ∧ ¬C1_2	C1_1 ∧ C1_2	$k_0=2$
3	k=2	C1_1 ∧ C1_2 ∧ ¬C1_3	C1_1 ∧ C1_2 ∧ C1_3	$k_0=3$
4	k=3	C1_1 ∧ C1_2 ∧ C1_3 ∧ ¬C1_4	C1_1 ∧ C1_2 ∧ C1_3 ∧ C1_4	UNSAT
			FIN	



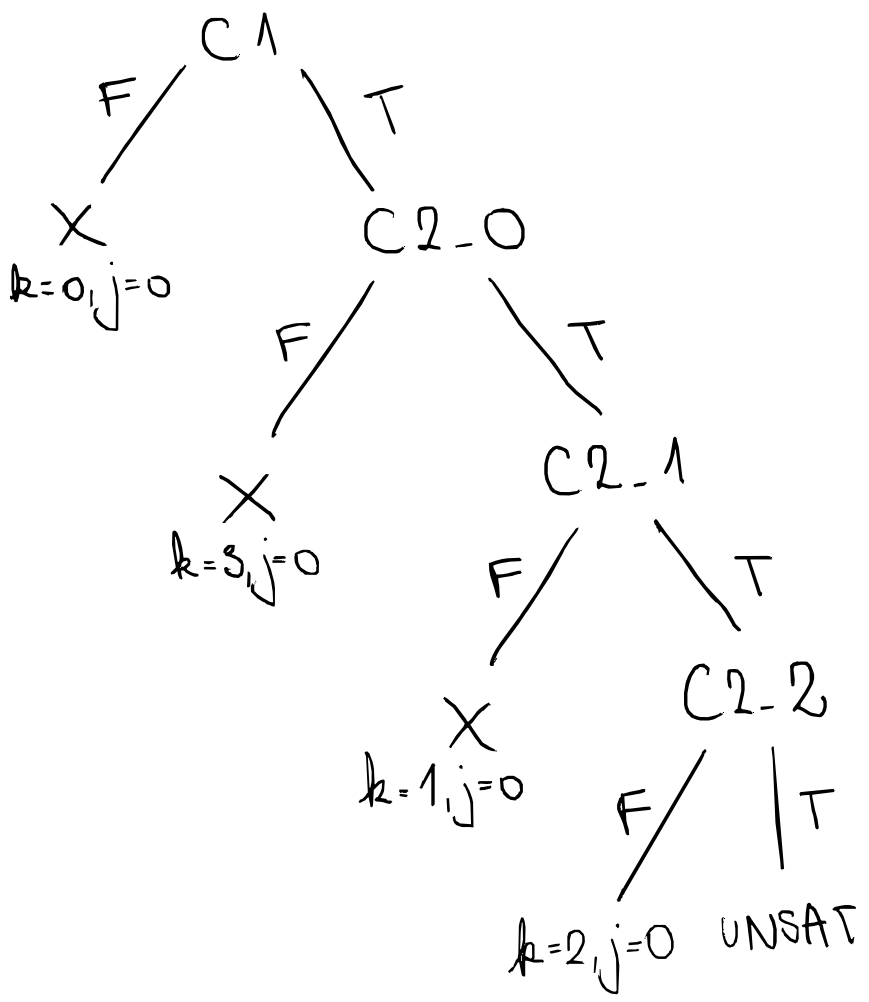
6)

It	cin	cond	formula	res
1	k=0, j=0	C1_1 ∧ C2_1 ∧ C1_2 ∧ C2_2 ∧ ¬C1_3	C1_1 ∧ C2_1 ∧ C1_2 ∧ C2_2 ∧ C1_3	UNSAT
			C1_1 ∧ C2_1 ∧ C1_2 ∧ ¬C2_2	UNSAT
			C1_1 ∧ C2_1 ∧ ¬C1_2	UNSAT
			C1_1 ∧ ¬C2_1	$k_0=1$, $j_0=0$
2	k=1, j=0	C1_1 ∧ ¬C2_1	¬C1_1	UNSAT
			FIN	



7)

It	cin	cond	formula	res
1	$k=0, j=0$	$\neg C1$	$C1$	$k_0=1, j_0=0$
2	$k=1, j=0$	$C1 \wedge C2\_0 \wedge \neg C2\_1$	$C1 \wedge C2\_0 \wedge C2\_1$	$k_0=2, j_0=0$
3	$k=2, j=0$	$C1 \wedge C2\_0 \wedge C2\_1 \wedge \neg C2\_2$	$C1 \wedge C2\_0 \wedge C2\_1 \wedge C2\_2$	UNSAT
			$C1 \wedge \neg C2\_0$	$k_0=3, j_0=0$
4	$k=3, j=0$	$C1 \wedge \neg C2\_0$	FIN.	



8)

It	cin	cond	formula	res
1	$k=0, j=0$	$\neg C1$	$C1$	$k_0=1, j=0$
2	$k=1, j=0$	$C1 \wedge C2\_0 \wedge \neg C2\_1$	$C1 \wedge C2\_0 \wedge C2\_1$	$k_0=2, j=0$
3	$k=2, j=0$	$C1 \wedge C2\_0 \wedge C2\_1 \wedge \neg C2\_2$	$C1 \wedge C2\_0 \wedge C2\_1 \wedge C2\_2$	UNSAT
			$C1 \wedge \neg C2\_0$	UNSAT
			FIN.