has the satisfying assignment $\langle x_1 = 0, x_2 = 0, x_3 = 1, x_4 = 1 \rangle$, since

```
= 1,
```

 $= (1 \lor \neg(1 \lor 1)) \land 1$ $= (1 \lor 0) \land 1$

121. Circuit SAT Sp SAT

 $\phi = ((0 \rightarrow 0) \lor \neg ((\neg 0 \leftrightarrow 1) \lor 1)) \land \neg 0$