(7/1 V/3 V/4 V/5) 1 (7/8 V/4 V/5) 1 (7/1 V/3 V7/4) 1 (1/1 V/0) 1 (f1 V7f3) 1 (7f1 V7f5) 1 (7f3 V7f4 Vf5) Set motation X= { 37 + 11 + 31 + 41 + 5 } , \$ 7 + 31 + 41 + 5 } , { 7 + 1 + 3,7 + 4 } , { 1 + 1,7 + 0 } , { 1 + 1,7 + 0 } , 3771775513773177417555 C7 by rule decide a. [fid] by rule unit-prof (C6) 3. [t] 7 t5] 4. [11d1765160] by rule decide by rule decide 5. [f1/7/51 to d/to d] by rule unit-prop (C) 6- [1,d,7151 tod/tad/14] Tompled with Cz principal [C2 C= (7/1 V7/3)-168 The second greatest decision level in Tio1, 20 We delete Brom W T (2 ) ( [4:3) every literal with a decision level greater than 1. (\* d: 2)

7.[+,017+5] by rule backjumy 8. [4, 1745,743] ty Tule unit-frog (eg) 9.[1,017/517/3/14] by rule wort- prop (en)
Complet with eg (fd:1) 1 (6) (745:7) C= 7/1 2 Cg  $\begin{pmatrix} c_8 \\ 773:1 \end{pmatrix} \quad c_3 \\ c_7 \\ f_4:7 \end{pmatrix}$ The second greatest decision level is or so we delete all literal a from primeigal reforating Cut by rule emit-prop (Ca) 10-[] 11.[7/1] by rule unit-prof (eu) 12. [7/11/2] Complict with C5 13. fail Because there are no more decision literals inside the partial valuation, the formula in UNSAT