Temporal Logic Specifications Into. Verification.

lemporal operator: X, G1, F, Object: Specification over u behavions. behavin: Sequence of states; each state

Infinite length.

prop.

Trafficient

* 5 t X(\$)

Tri- *

* take

* take

The states is a series of the states in the series of the states in the series of t 116 (b[2]) b[3] - E Ø

b = G(\$) 14 7: 6513 H(\$) Enoples to G(Startiz on V Startiz off) 1 1 pp | E G (finer 20 =) state - 5/5)
G ((door - open) =) (state - 6/5) Collection (doordon) (doordon) (they) ()

Les (and we soen)] at atmost are green) (Endlow =) X(En Red) (Green =) X' Yellow) " thod that DF ((Φ) 11/4 4; PC;) PC;(1) ---- /= \$

Evanhalls: $F(\phi)$, $b F F(\phi)$ 'Its 3° 157 5;117. - 18 18 15 5.4 f 50;3 Rp F(timer = done) Egonz) F(Fifon) male 2 on =) F(time 2 done) F(Fz Gren) Toysta: F(F. Red)

Mixing (F) F (Erarem) & F(Fram) oneinstehn by fact) 18 vi LTi) LTien t & 4 Prijplin - F (from) CF(\$) sorper tot \$7 tre multiple to infinitels may (t=) -(12 -> (1) GICO) is called individually stefan &.

dral FG(\$) 78 78 - \$\$\$ X, G, F PIETUR Operation 5 F Ø 1 U Ø 2 1 1 1 7 K からくドーリトにうためり

X,G,E,U, R,W,X Suffice Reason: Capturing behavior in rigorous matheat
ways is a challage. the Correctnen's temporal (ogra

Specify Behaviors 1) Input output Spee

(I) Model of Syst \$\int(I,0)\)

model of Spee = R.(I,0)

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