directive duration 7.0E+3 points 100000

directive concentration M

directive scale 1.0E+9

directive plot <s7^ T4^ s2^\*>;<s5^ T3^ s3^>;<s3^ T2^ s2>;<s34^ T31^ s13^>;<s34^ T31^ s23^>;<s35 T32^ s34^>

def bind = 1.0E+6

def bind2 = 2.0E+5

def bind3 = 1.0E+8

def unbind = 1.0E+6

def unbind2 = 2.0E+5

def unbind3 = 1.0E+8

new s1@ bind,unbind

new s2@ bind3,unbind3

new s3@ bind,unbind

new T@ bind2,unbind2

new T2@ bind3,unbind3

new T3@ bind2,unbind2

new T4@ bind2,unbind2

new s9@ bind,unbind

new s7@ bind,unbind

new s5@ bind,unbind

new s10@ bind,unbind

new s13@ bind,unbind

new s16@ bind,unbind

new s18@ bind,unbind

new T5@ bind2,unbind2

new T7@ bind2,unbind2

new T8@ bind2,unbind2

new T10@ bind2,unbind2

new T11@ bind2,unbind2

new s19@ bind,unbind

new s15@ bind,unbind

new s20@ bind,unbind

new s23@ bind,unbind

new s26@ bind,unbind

new s28@ bind,unbind

new T15@ bind2,unbind2

new T17@ bind2,unbind2

new T18@ bind2,unbind2

new T20@ bind2,unbind2

new T21@ bind2,unbind2

new s34@ bind,unbind

new T31@ bind2,unbind2

new T32@ bind2,unbind2

def In = 0.1 \* 50E-9

def Inv = 0.8 \* 50E-9

def Th = 0.5 \* 50E-9

def Th2 = 0.7 \* 50E-9

def Th3 = 0.3 \* 50E-9

def Go = 1.0 \* 50E-9

def Fl = 2.0 \* 50E-9

def Go2 = 1.0 \* 50E-9

def Fl2 = 2.0 \* 50E-9

def In2 = 1.0 \* 50E-9

def Th4 = 0.5 \* 50E-9

def Th6 = 0.75 \* 50E-9

def Go4 = 1.0 \* 50E-9

def Go6 = 2.0 \* 50E-9

def Go7 = 2.5 \* 50E-9

def Go8 = 0.5 \* 50E-9

def Io4 = 2.5 \* 50E-9

def Fl4 = 2.0 \* 50E-9

def Fl6 = 2.0 \* 50E-9

def In3 = 0.1 \* 50E-9

def Th7 = 0.5 \* 50E-9

def Th9 = 0.75 \* 50E-9

def Go7 = 1.0 \* 50E-9

def Go9 = 2.0 \* 50E-9

def Go10 = 2.5 \* 50E-9

def Go11 = 0.5 \* 50E-9

def Io7 = 2.5 \* 50E-9

def Fl7 = 2.0 \* 50E-9

def Fl9 = 2.0 \* 50E-9

def Input() = <s2 T^ s1>

def Threshold() = [s2]{T^\* s1^\*}

def gateOutput() = <s3^>[T2^ s2]{T^\*}

def fuel() = <s4 T2^ s2>

def Threshold3() = [s3^]{T2^\* s2^\*}

def gateOutput3() = <s5^>[T3^ s3^]{T2^\*}

def fuel3() = <s6 T3^ s3^>

def Inverter() = {s3^\* T2^\* s2^\*}

def Threshold2() = [s2]{T2^ s3^}

def gateOutput2() = <s7^>[T4^ s2^\*]{T2^}

def fuel2() = <s8 T4^ s2^\*>

def Input2() = <s10^ T5^ s9^>

def Threshold4() = [s10]{T5^\* s9^\*}

def Threshold4\_10() = [s16]{T8^\* s10^\*}

def Threshold6() = [s5]{T3^\* s3^\*}

def Threshold7() = [s13]{T8^\* s10^\*}

def Threshold10() = [s16]{T8^\* s5^\*}

def gateOutput4() = <s13^>[T8^ s10^]{T5^\*}

def gateOutput6() = <s16^>[T8^ s5^]{T3^\*}

def gateOutput7() = <s34^>[T31^ s13^]{T8^\*}

def gateOutput10() = <s18^>[T10^ s16^]{T8^\*}

def gateInput10() = {T10^\*}[s16^ T8^]<s10^>

def fuel6() = <s17 T8^ s5^>

def fuel11() = <s15 T31^ s13^>

def Input3() = <s20^ T15^ s19^>

def Threshold12() = [s7]{T4^\* s2^}

def Threshold12\_18() = [s26]{T18^\* s7^\*}

def Threshold14() = [s20]{T15^\* s19^\*}

def Threshold15() = [s23]{T18^\* s7^\*}

def Threshold18() = [s26]{T18^\* s20^\*}

def gateOutput12() = <s23^>[T18^ s7^]{T4^\*}

def gateOutput14() = <s26^>[T18^ s20^]{T15^\*}

def gateOutput15() = <s34^>[T31^ s23^]{T18^\*}

def gateOutput18() = <s28>[T20^ s26^]{T18^\*}

def gateInput18() = {T20^\*}[s26^ T18^]<s7^>

def fuel14() = <s27 T18^ s20^>

def fuel19() = <s25 T31^ s23^>

def Threshold20() = [s34]{T31^\* s13^\*}

def Threshold21() = [s34]{T31^\* s23^\*}

def gateOutput19() = <s35>[T32^ s34^]{T31^\*}

def fuel20() = <s36 T32^ s34^>

( In \* Input()

| Th \* Threshold()

| Th3 \* Threshold3()

| Go \* gateOutput()

| Go \* gateOutput3()

| Go2 \* gateOutput2()

| Fl \* fuel()

| Fl \* fuel3()

| Inv \* Inverter()

| Th2 \* Threshold2()

| Fl2 \* fuel2()

| In2 \* Input2()

| Th4 \* Threshold4()

| Th4 \* Threshold4\_10()

| Th4 \* Threshold6()

| Th6 \* Threshold7()

| Th4 \* Threshold10()

| Go6 \* gateOutput4()

| Go7 \* gateOutput6()

| Go4 \* gateOutput7()

| Go8 \* gateOutput10()

| Io4 \* gateInput10()

| Fl4 \* fuel6()

| Fl6 \* fuel11()

| In3 \* Input3()

| Th7 \* Threshold12()

| Th7 \* Threshold12\_18()

| Th7 \* Threshold14()

| Th9 \* Threshold15()

| Th7 \* Threshold18()

| Go9 \* gateOutput12()

| Go10 \* gateOutput14()

| Go7 \* gateOutput15()

| Go11 \* gateOutput18()

| Io7 \* gateInput18()

| Fl7 \* fuel14()

| Fl9 \* fuel19()

| Th9 \* Threshold20()

| Th9 \* Threshold21()

| Go7 \* gateOutput19()

| Fl \* fuel20()

)