- Input: Y1, Y2, Y3, Y4, Y5, Y6, Y7, Y8, Start, Switch
- Output: Load_A, Load_B, Load_C, Load_D
        En_AmnB, En_BmnA, En_CmnD, En_DmnC
        En_AmnC, En_CmnA
        En_X, En_Y
        En_X'plsX, En_Y'plsY
        Done

reset

FPB

Load_A, Load_B,
Load_C, Load_D

switch — 0

1

KPK

En_X, En_Y

start

0

start — 1

En_X

En_Y

Y2 — 1

0

En_BmnA,
Load_B

Y1

1

0

En_AmnB,
Load A

Y4 — 1

0

En_DmnC,
Load D

Y3

1

0

En_CmnD,
Load_C

Y6 — 1

0

En_CmnA,
Load_C

Y5

1

0

En_AmnC,
Load A

Y8 — 1

En_X'plsX

En_X

0

Y7

1

0

En_Y'plsY

En_Y

start — 1

0

done