ODD-EVEN COUNTER USING J-K FLIPFLOP

FUNDAMENTAL OF DIGITAL ELECTRONICS

Reference

BOOK : Digital Logic and Computer Design

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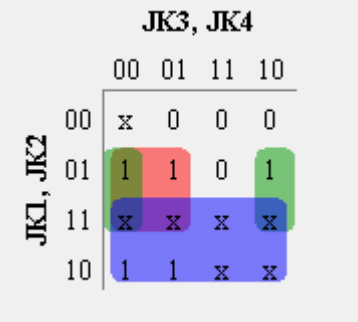
K-MAPS

10th DIGIT GENERATOR IC

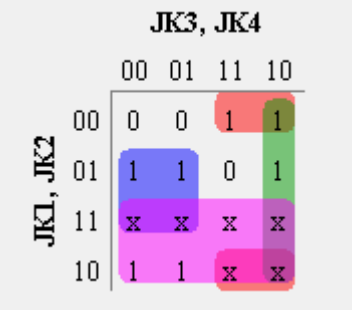
Segment A

JK2’ JK3 + JK3 JK4’ + JK2 JK3’ + JK1



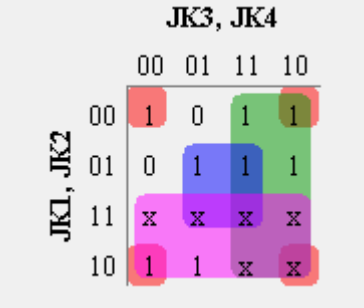
Segment B

JK3’ JK4’ + JK2 JK3’ + JK2 JK4’ + JK1



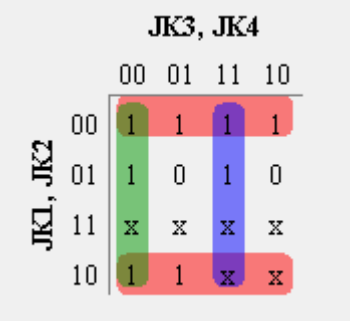
Segment C

JK2’ JK4’ + JK3 + JK2 JK4 + JK1



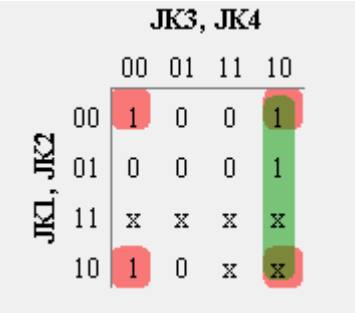
Segment D

JK2’ + JK3’ JK4’ + JK3 JK4



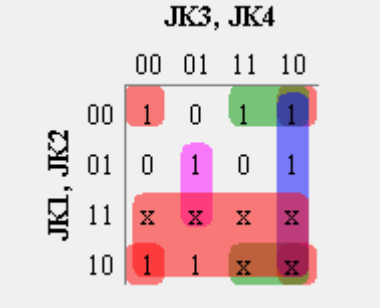
Segment E

JK2’ JK4’ + JK3 JK4’



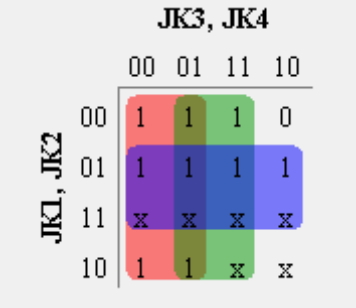
Segment F

JK2’ JK4’ + JK2 ‘ JK3 + JK3 JK4’ + JK2 JK3’ JK4 + JK1



Segment G

JK3 ‘+ JK4 + JK2



K-MAPS

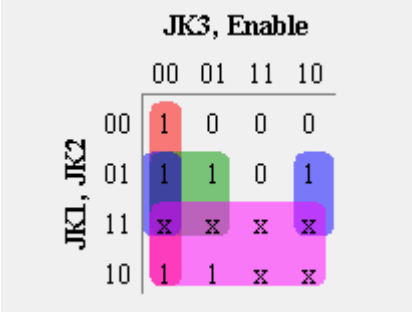
UNIT DIGIT GENERATOR IC

Segment A

JK2’ JK3 + JK3 Enable’ + JK2 JK3’ + JK1

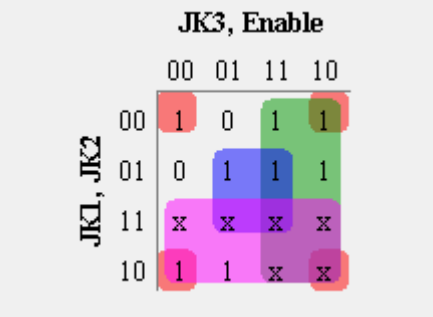
Segment B

JK3’ Enable’ + JK2 JK3’ + JK2 Enable’ + JK1



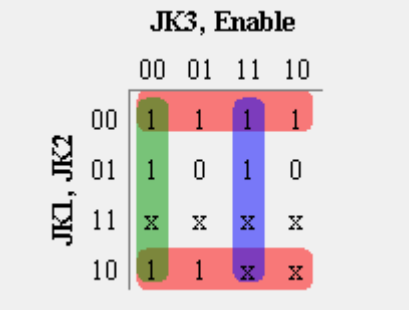
Segment C

JK2’ Enable’ + JK3 + JK2 Enable + JK1



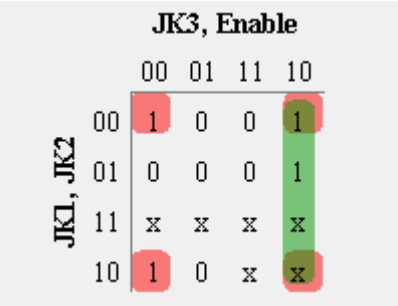
Segment D

JK2’ + JK3’ Enable’ + JK3 Enable



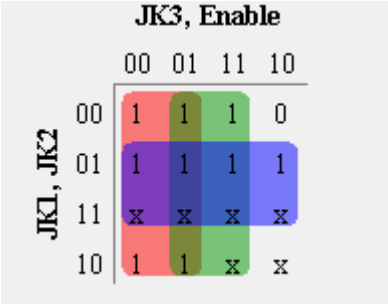
Segment E

JK2’ Enable’ + JK3 Enable’



Segment G

JK3’ + Enable + JK2



Segment F

JK2’ Enable’ + JK2’ JK3 + JK3 Enable’ + JK2 JK3’ Enable + JK1