区间信号设备维护

结合电路

一、与控制台结合电路

1、接近轨道继电器电路
2、离去继电器电路
3、接近电铃继电器电路

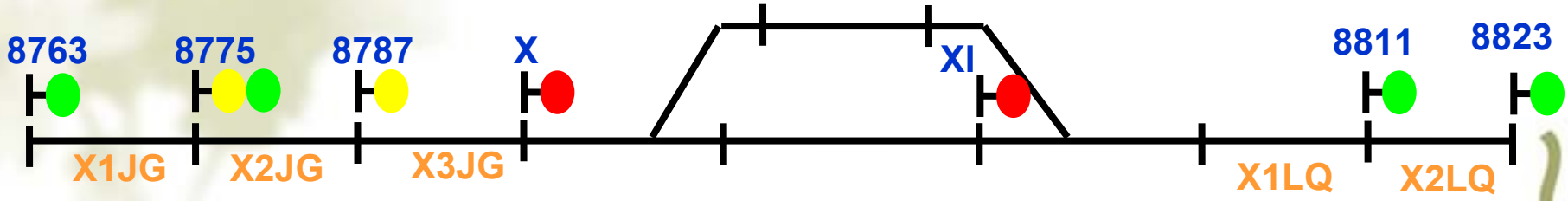
二、与电气集中结合电路

1、接近预告继电器电路
2、进站信号机区分允许信号继电器电路
3、进站信号机点灯电路
4、出站信号机的 LXJ 电路
5、出站信号机点灯电路
6、解锁电路
7、跳信号报警电路

与控制台结合电路

1、接近轨道继电器电路
2、离去继电器电路
3、接近电铃继电器电路

接近轨道继电器电路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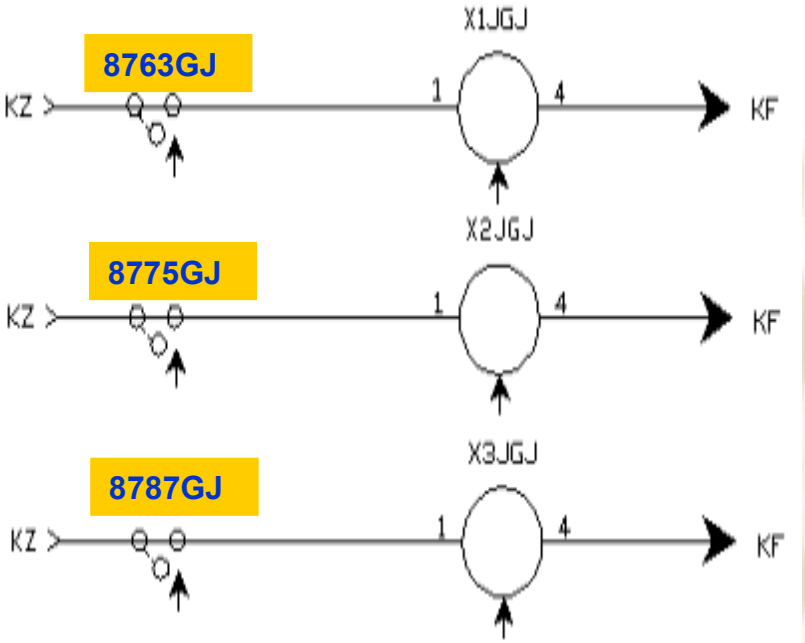
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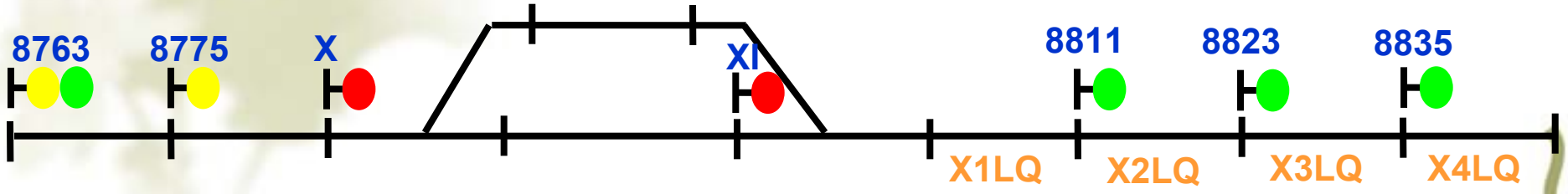
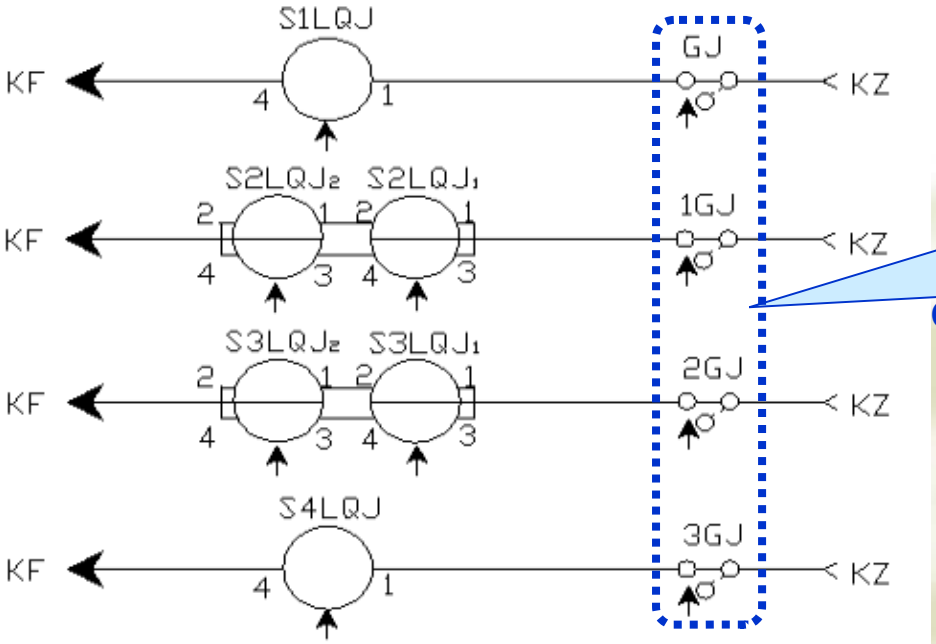
KF

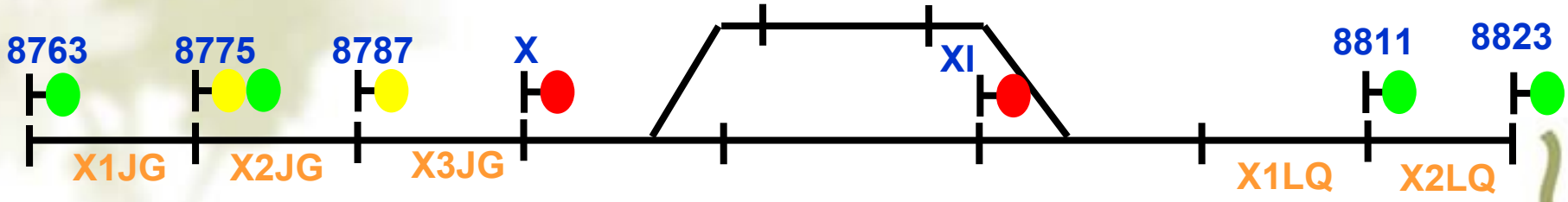
离去继电器电路





1LQ 区段的 GJ 、 1GJ 、 2GJ 、 3GJ 前接点

接近电铃继电器电路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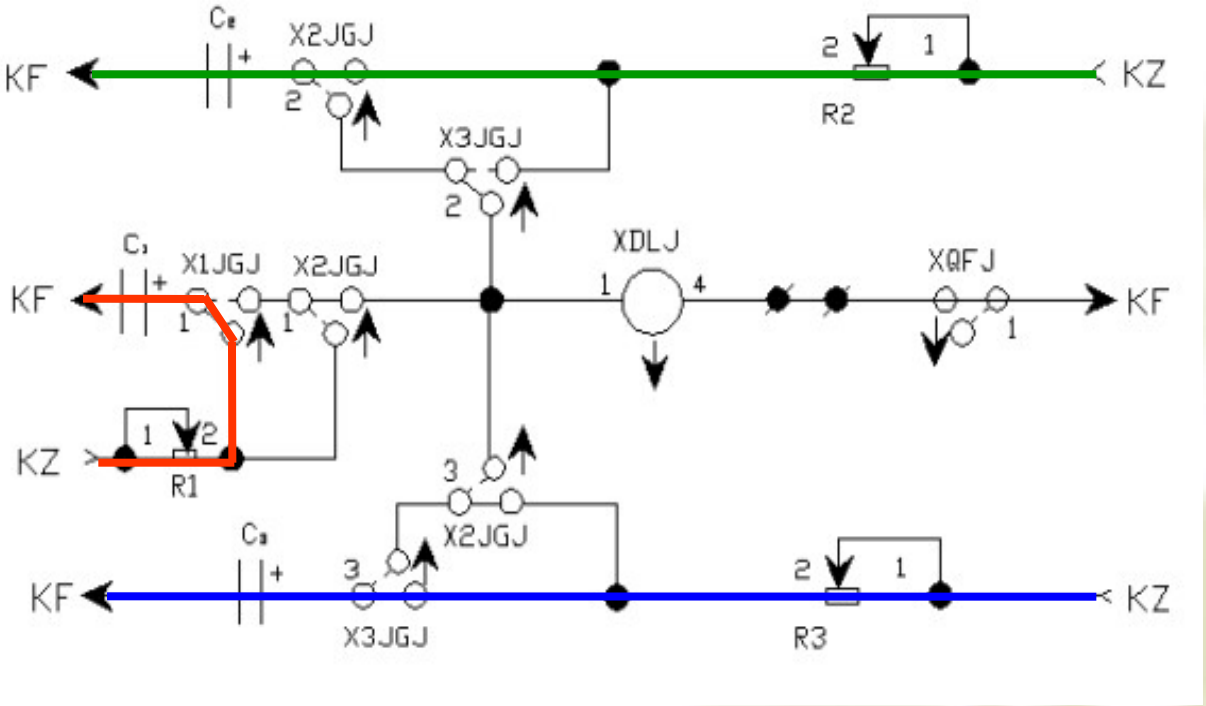
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C1
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XQFJ
R1
C3
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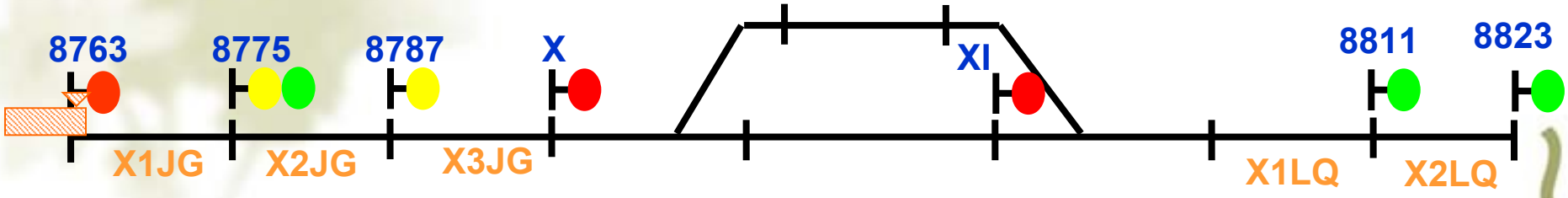
X3JGJ
R3

接近电铃继电器电路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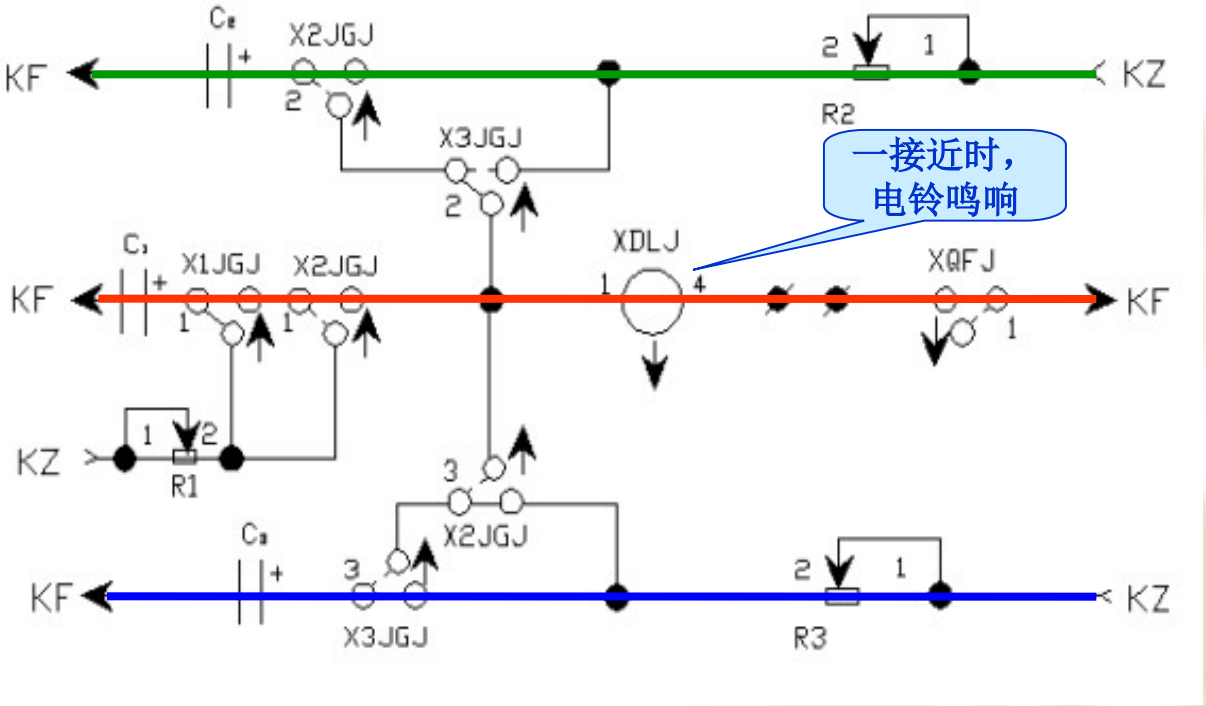
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R2
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电铃鸣响
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R1
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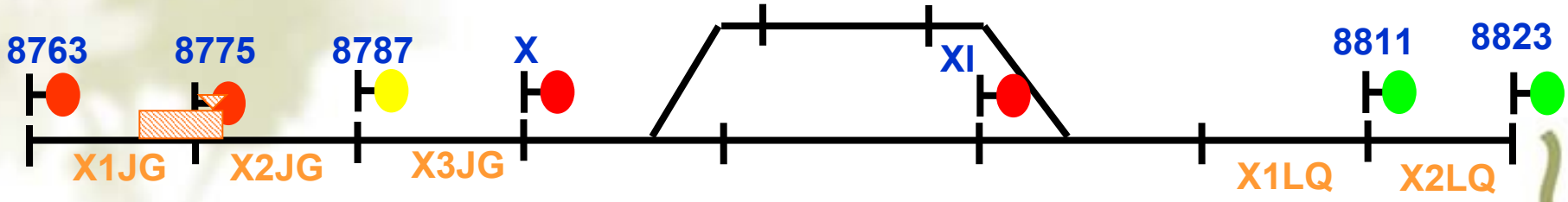
X3JGJ
R3

接近电铃继电器电路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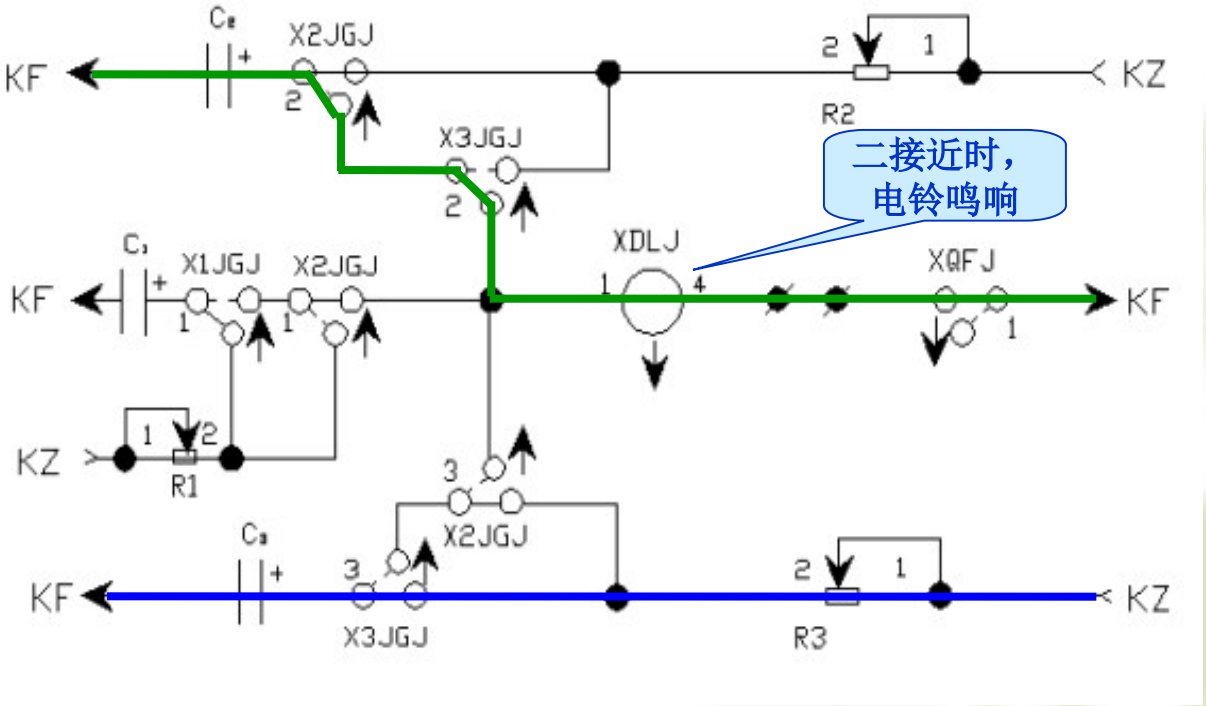
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电铃鸣响
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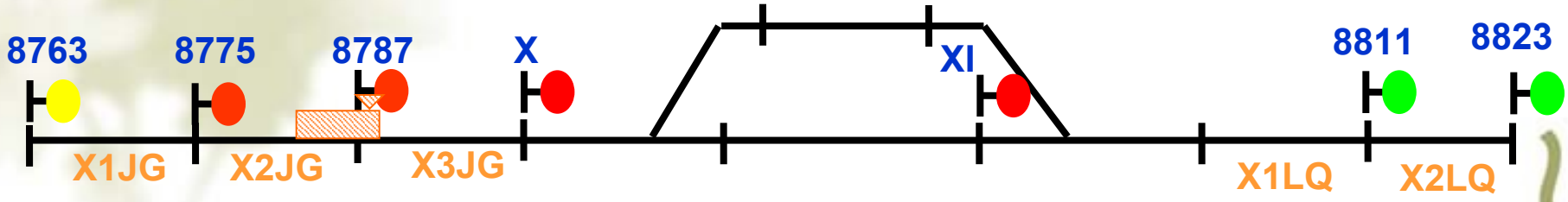
XQFJ
R1
X2JGJ
X3JGJ
R3

接近电铃继电器电路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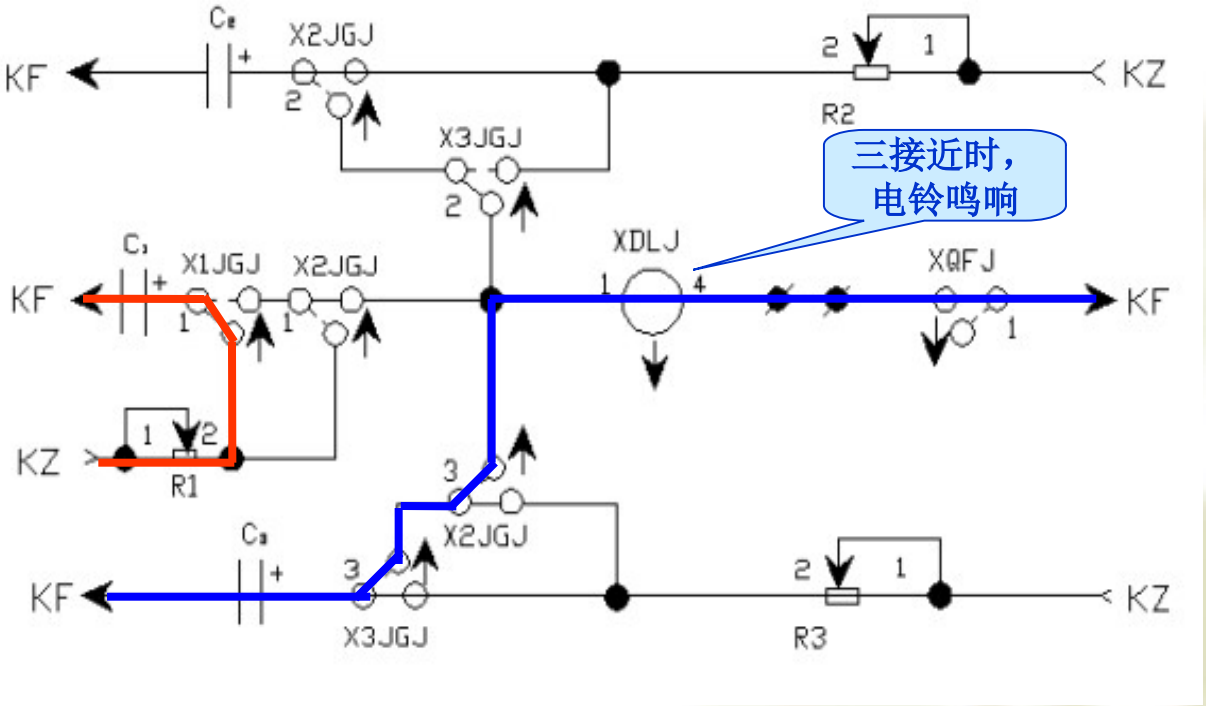
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X3JGJ
R2
三接近时，
电铃鸣响
X1JGJ
X2JGJ
XDLJ
XQFJ
R1
X2JGJ
X3JGJ
R3

与电气集中结合电路

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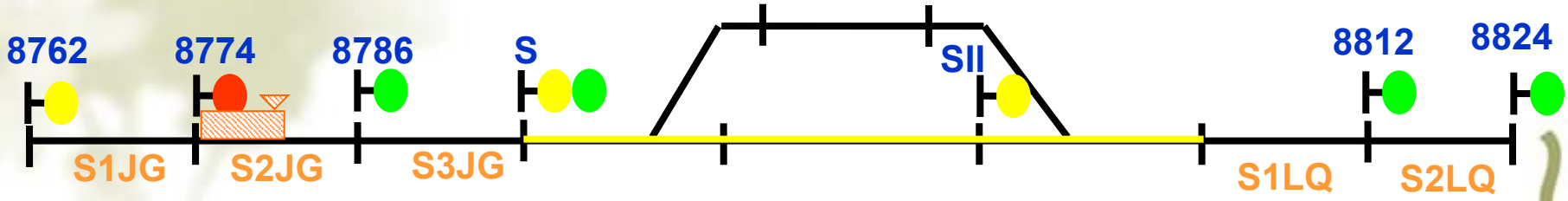
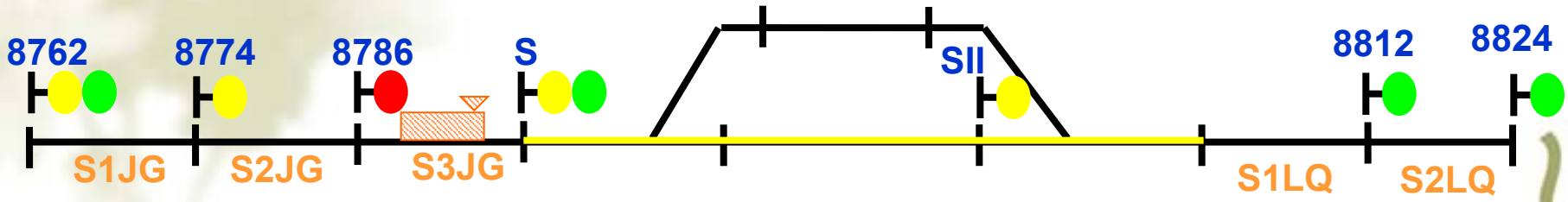
接近轨道继电器电路

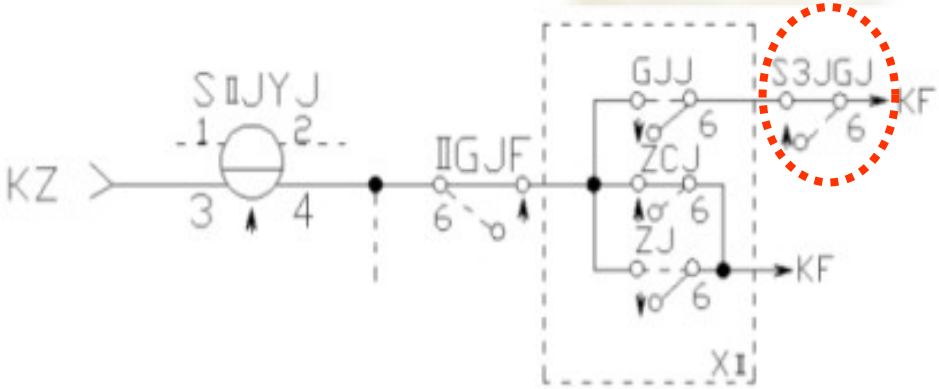


S 的接近区段延伸至二接近区段，即列车压入二接近区段时， S 需使用总人工解锁进路。

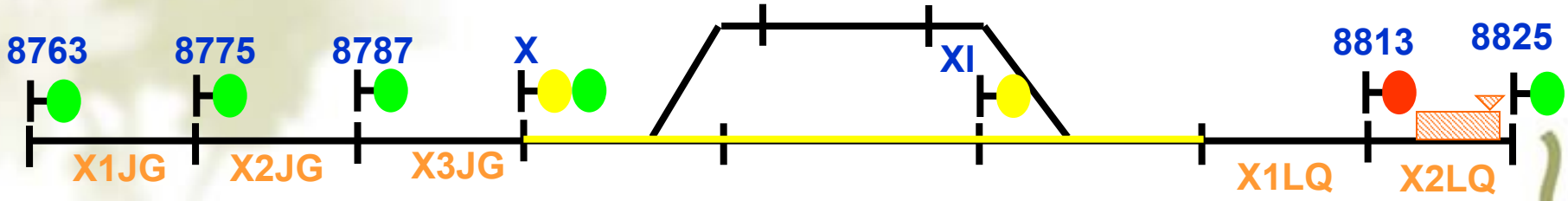
接近轨道继电器电路

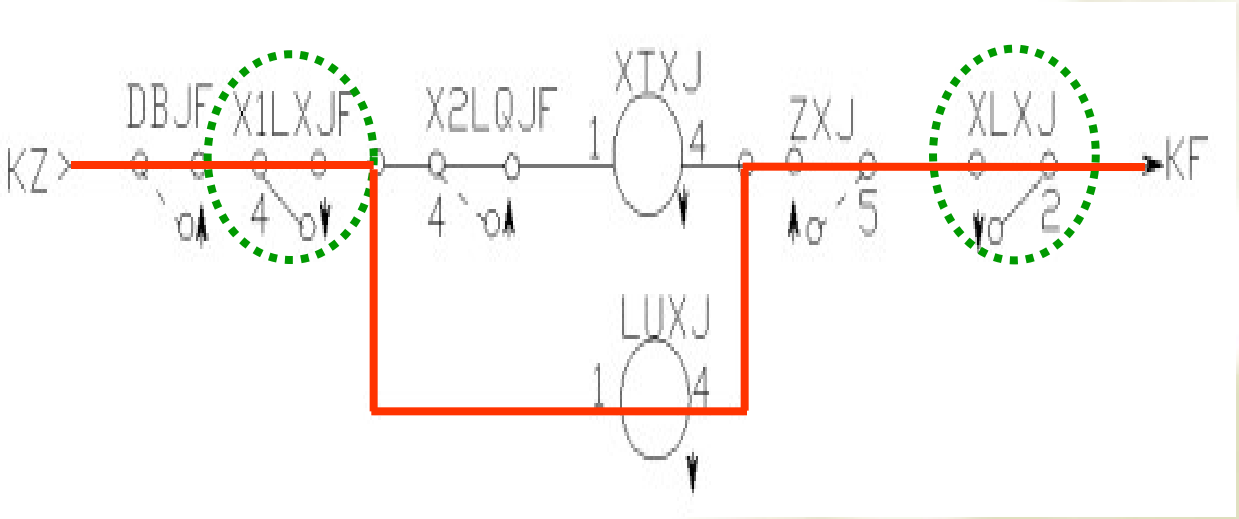


SII 的接近区段延伸至三接近区段，即列车压入三接近区段时， **SII** 需使用总人工解锁进路。

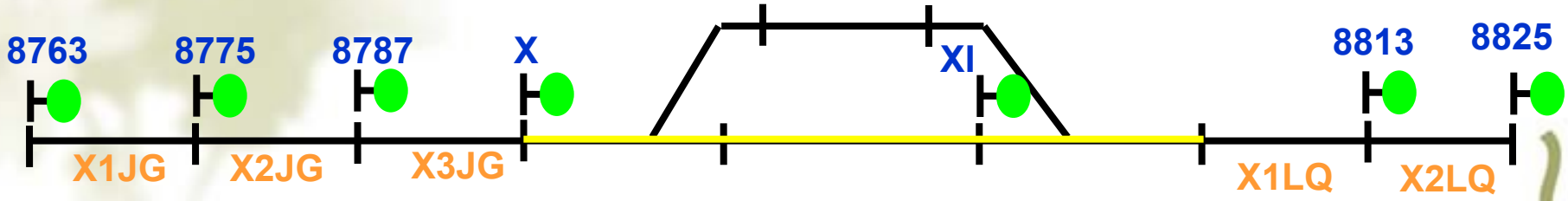


进站信号机区分允许信号继电器电路

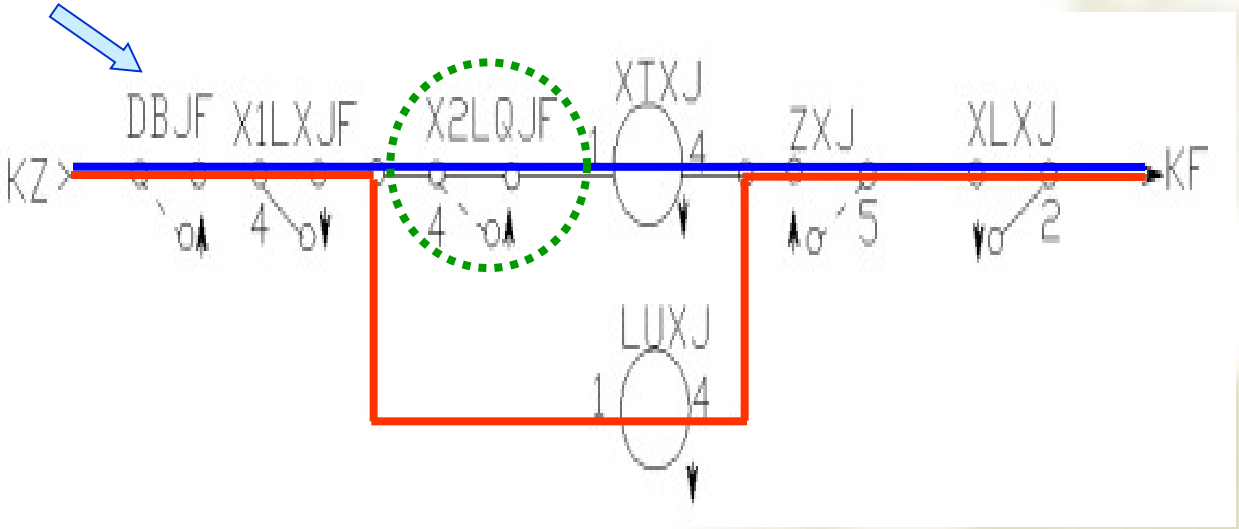




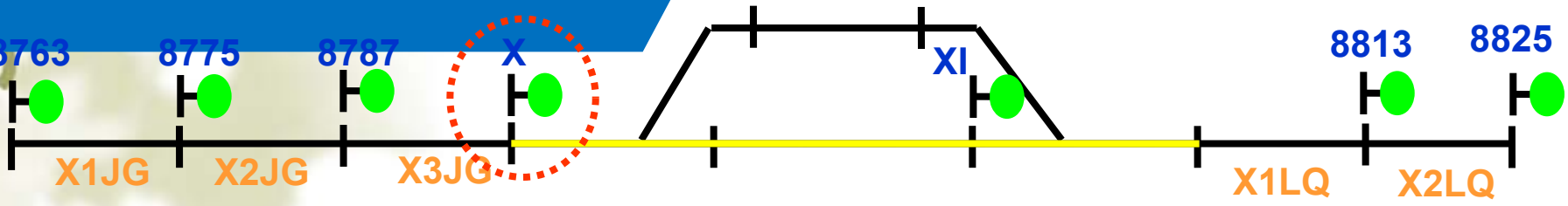
进站信号机区分允许信号继电器电路



关键对象道岔



进站信号机点灯电路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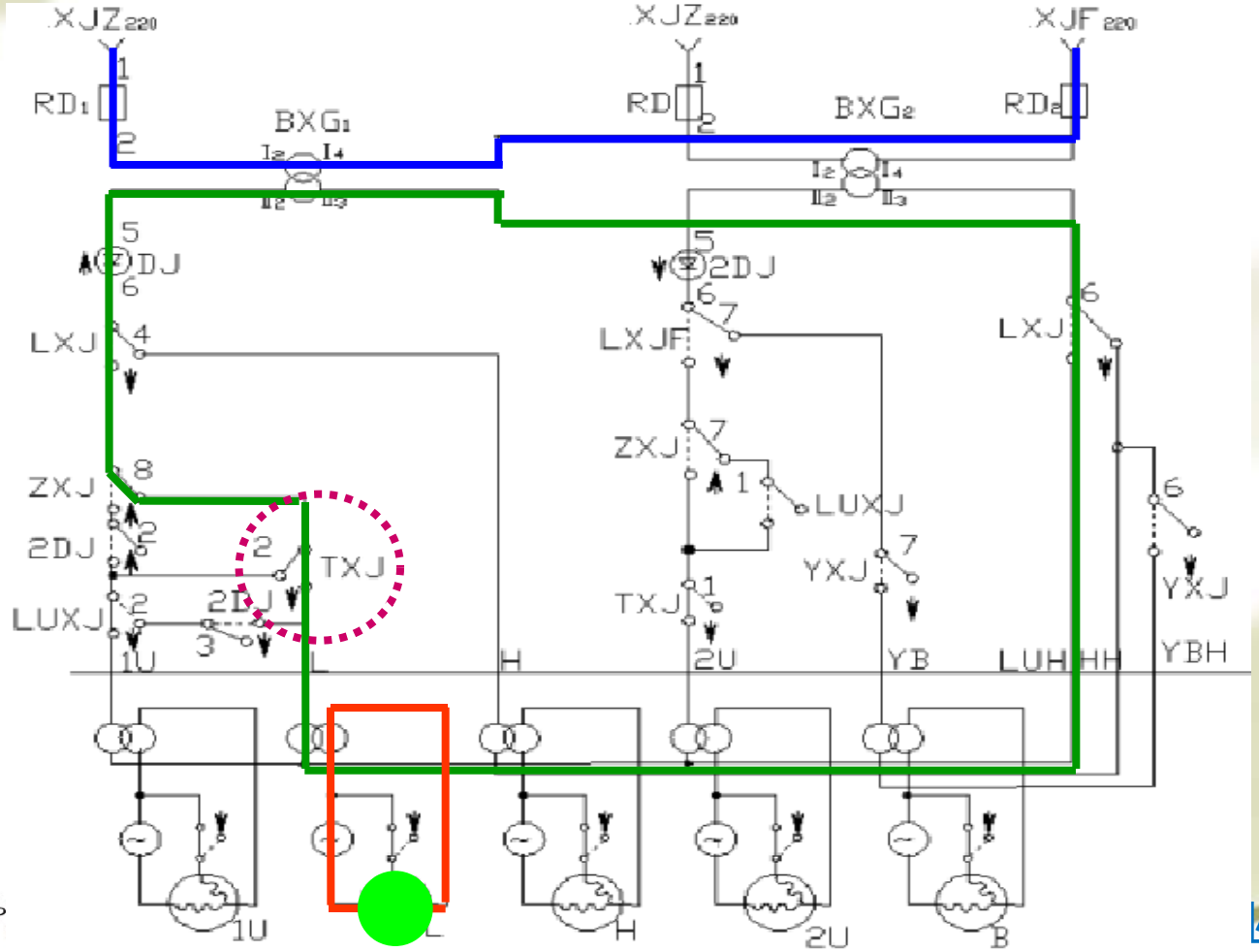
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LXJF
ZXJ
LUXJ
TXJ
2U
XJF220
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HH
YBH
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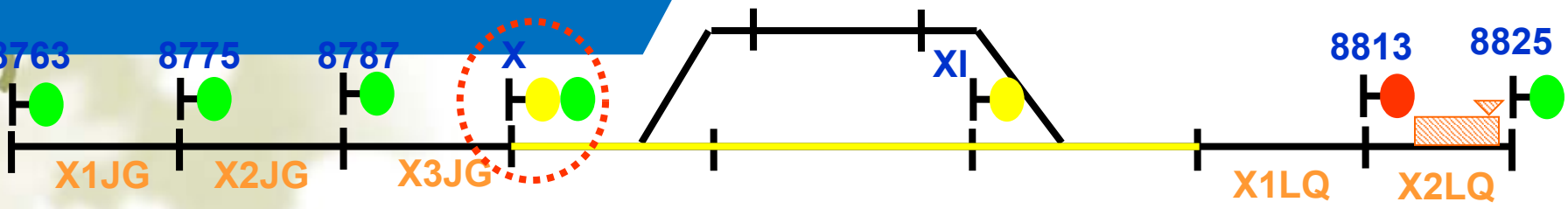
1U
2U
B

进站信号机点灯电路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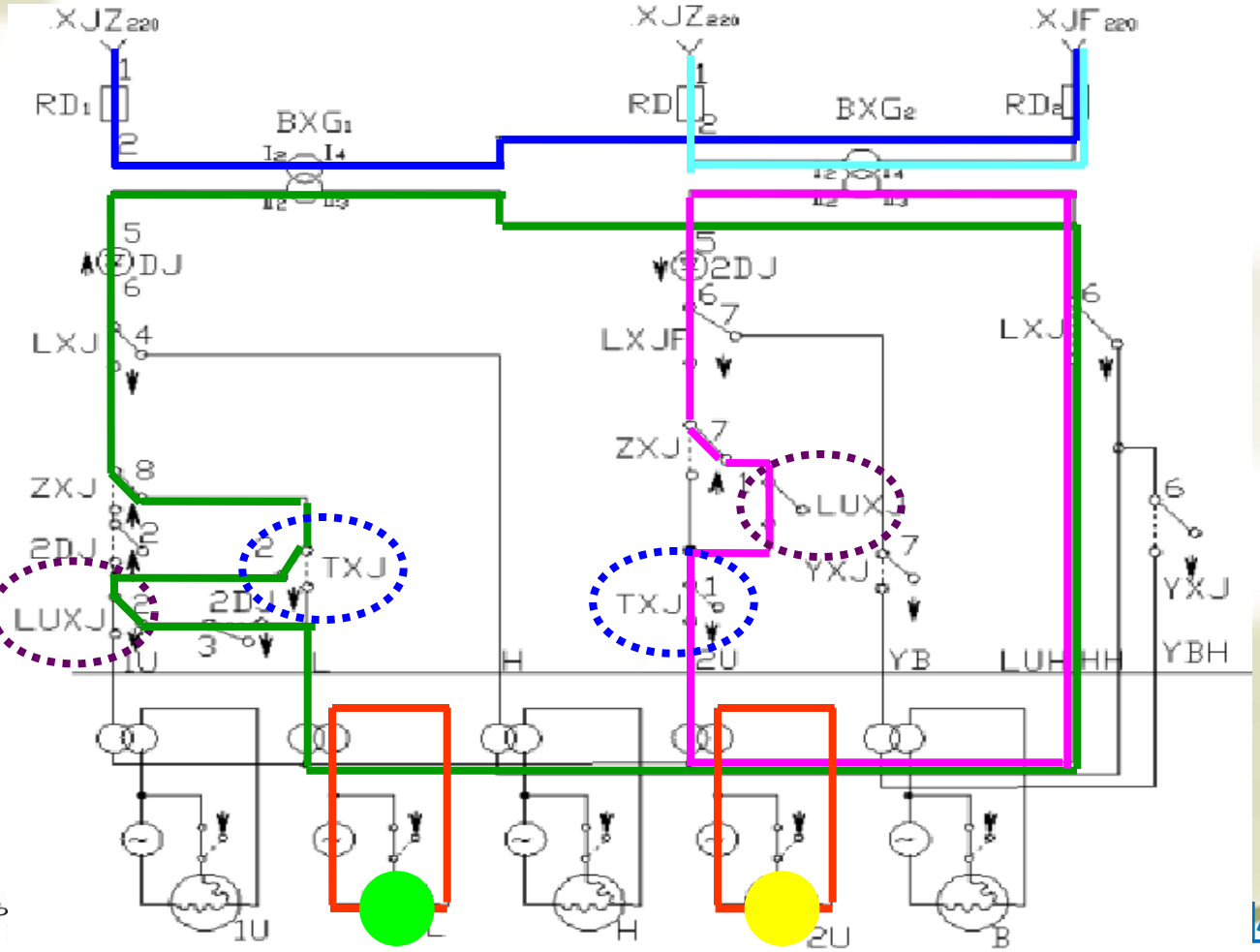
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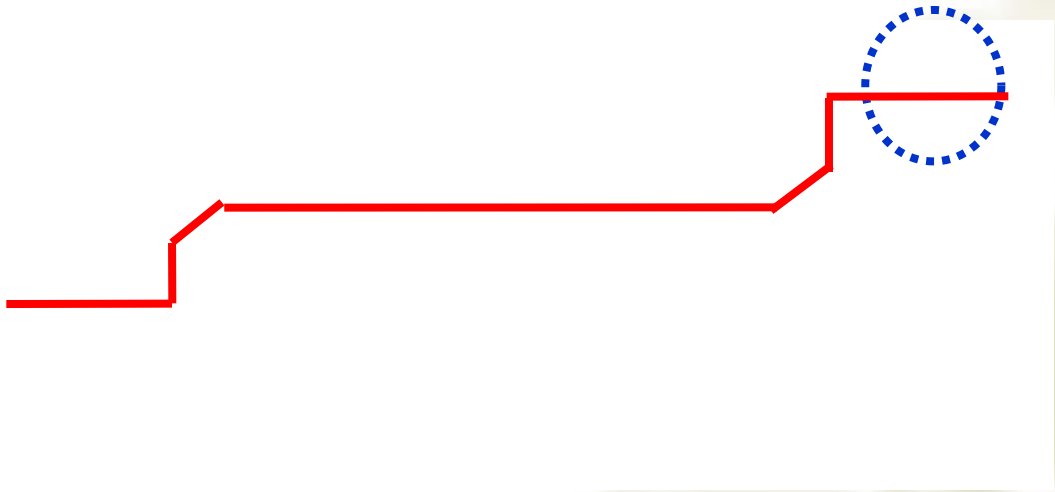
TXJ
2U
XJF220
RD2
LXJ
YXJ
YB
LUH
HH
YBH
1U
L
H
2U
B

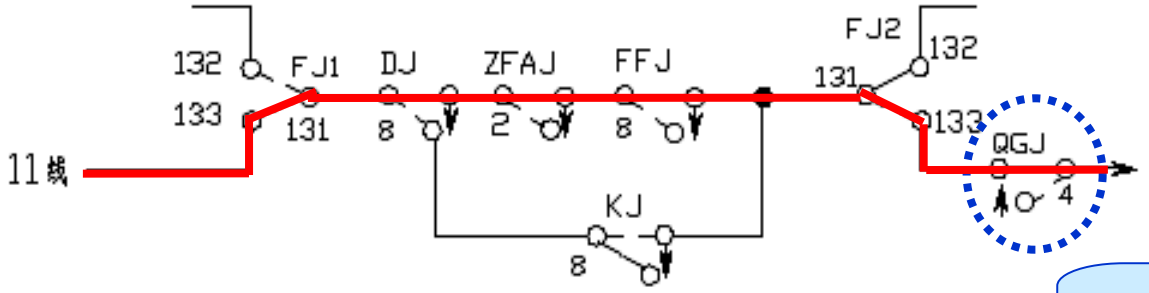
出站信号机的 LXJ 电路

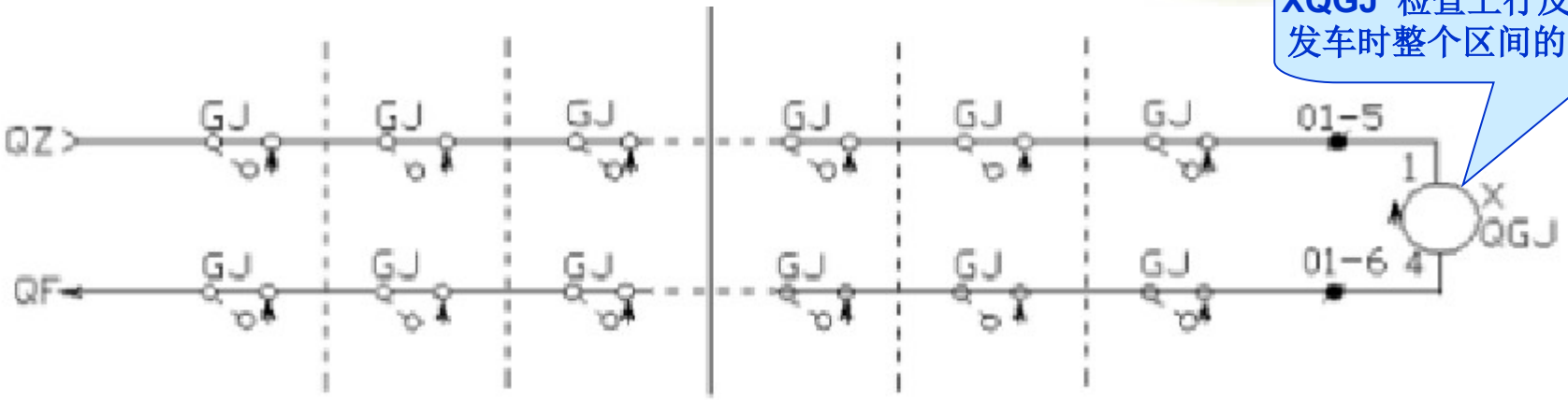
在出站信号机的 LXJ 电路中 ，正方向发车时 ,11 线端部用 ILQJF 前接点证明 1LQ 区段空闲 , 作为出站信号机开放的必要条件 。



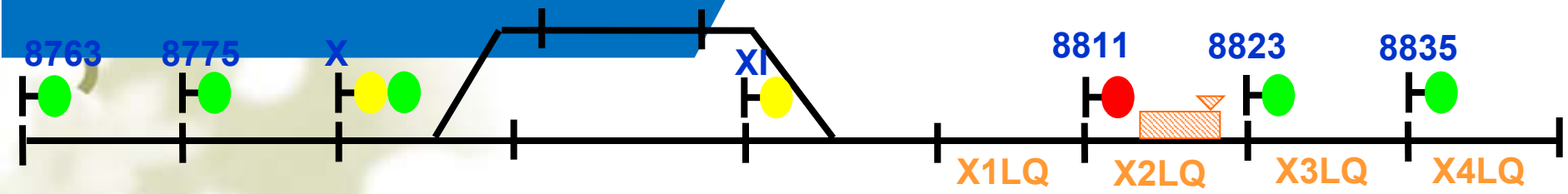
出站信号机的 LXJ 电路

在出站信号机的 LXJ 电路中 ，反方向发车时 ,11 线端部用 QGJ 前接点证明整个区间空闲 ，作为出站信号机开放的必要条件。





出站信号机点灯电路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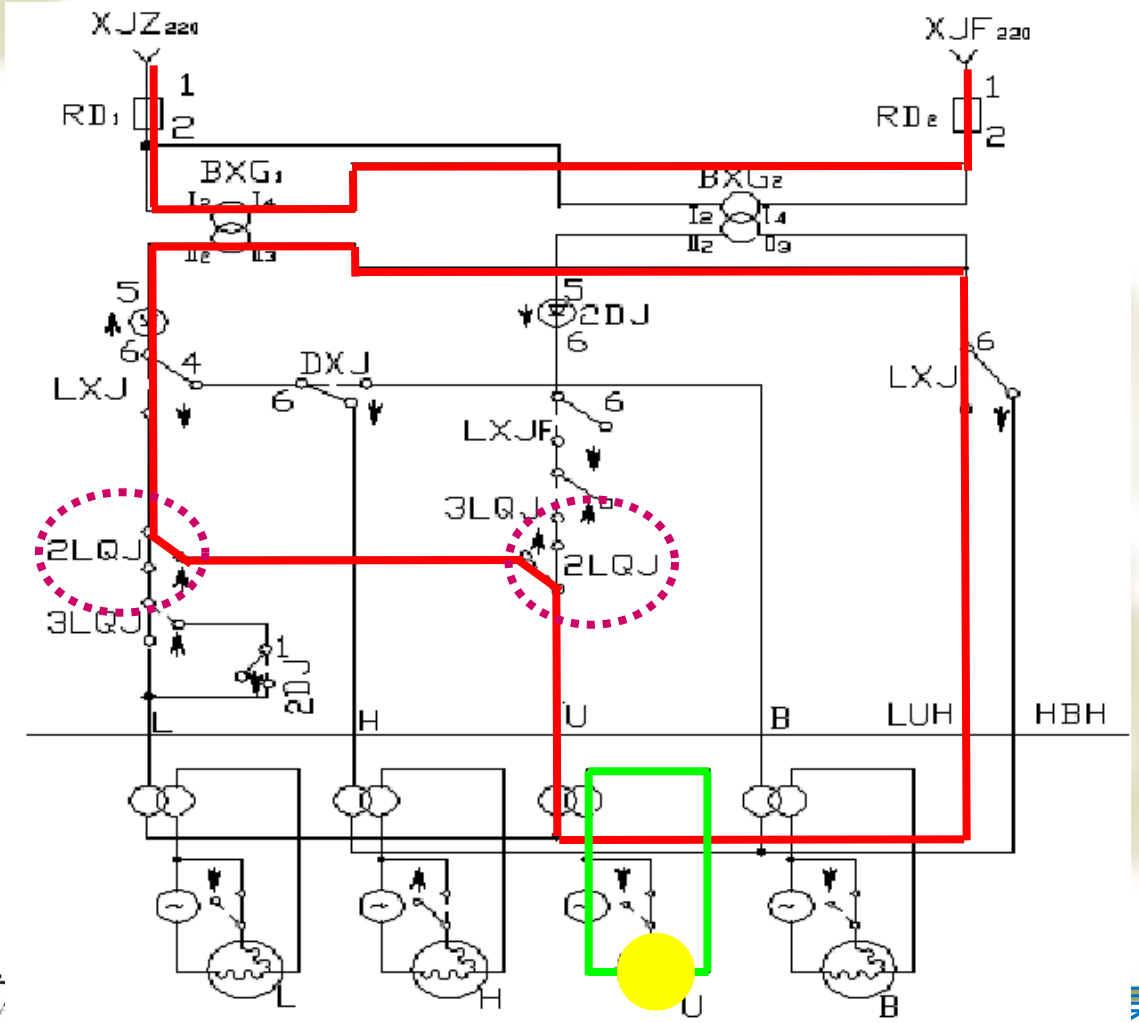
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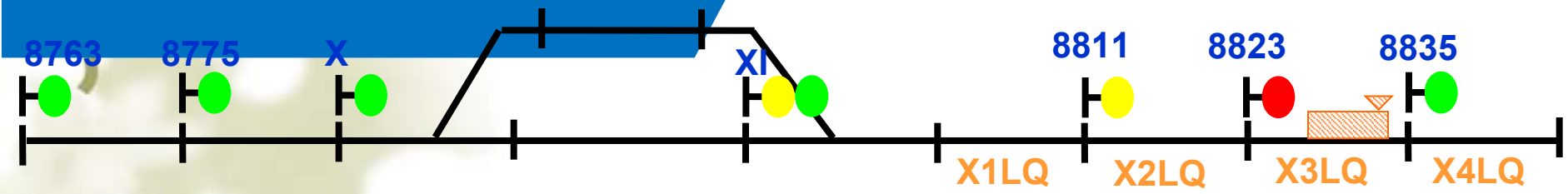
出站信号机点灯电路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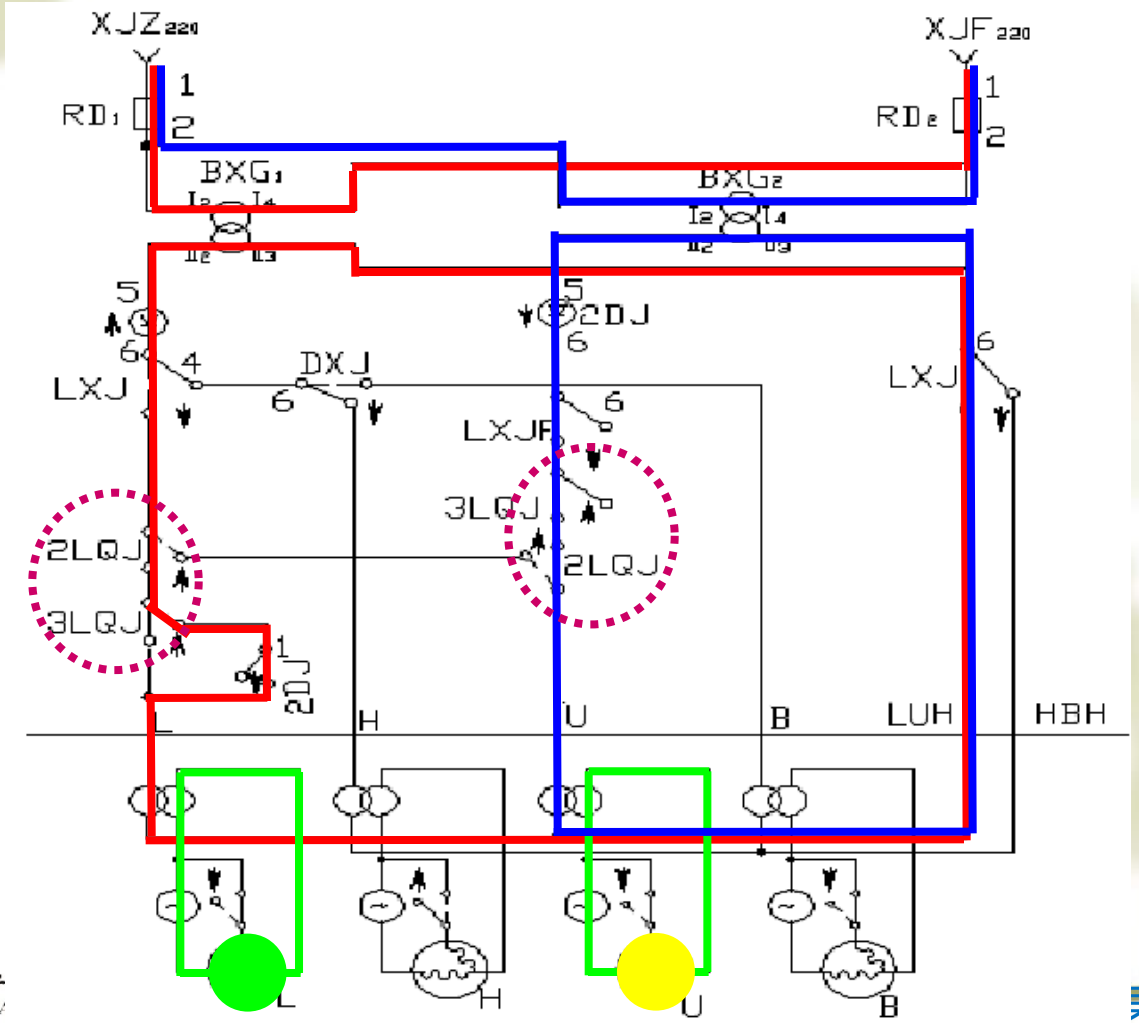
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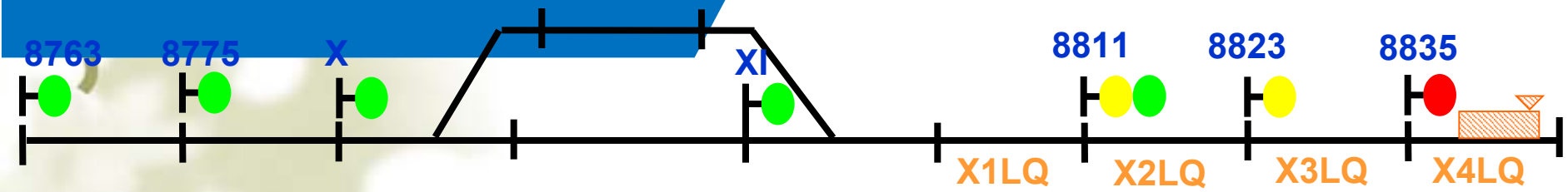
出站信号机点灯电路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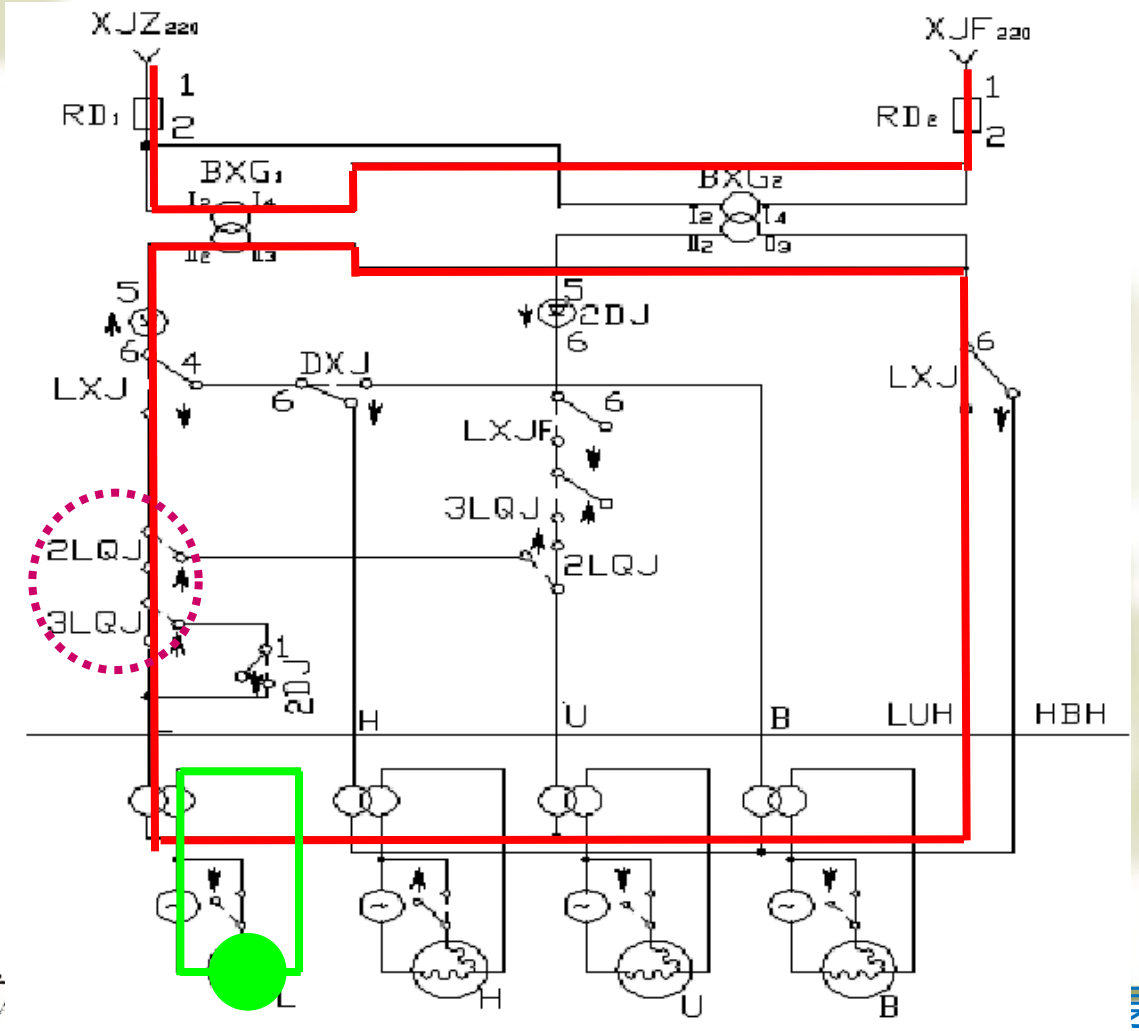
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XJF220
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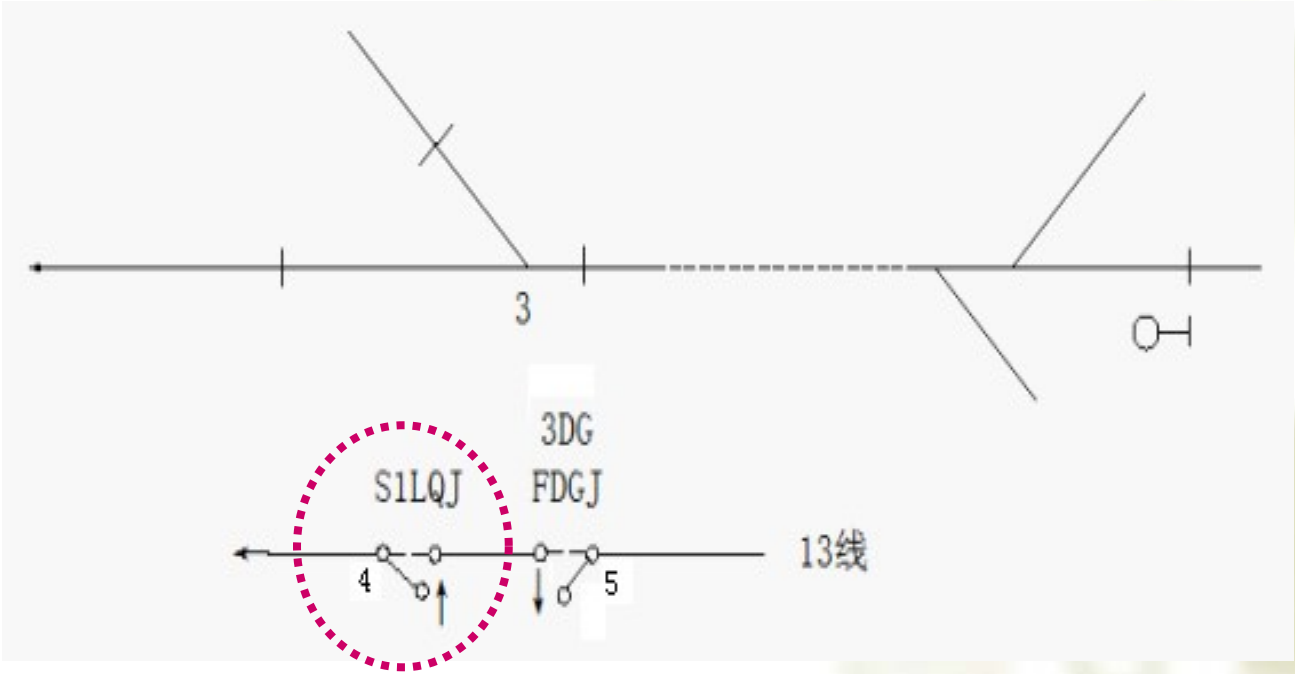
2LQJ
1
2
5
6
4
H
U
B
LUH
HBH

解锁电路

如发车口内方第一个区段为道岔区段 ，则发车进路上该道岔区段的第三点检查条件是 ILQJ 接点



谢谢
Thanks!