Connection

Architecture:

Terminator turn on
(The first node)

PROFIBUS
DEVICE 0
(MASTER)

IN

OUT

IN

IN

Terminator turn off

Terminator turn off

Terminator turn on
(The last node)

PROFI-8455
PROFIBUS
DEVICE 1
(SLAVE)

Terminator turn off

I-7550
PROFIBUS
DEVICE 2
(SLAVE)

GW-7553
PROFIBUS
DEVICE 3
(SLAVE)

GW-7552
PROFIBUS
DEVICE 4
(SLAVE)

Terminator OFF

IN
OUT

Terminator ON

IN
OUT
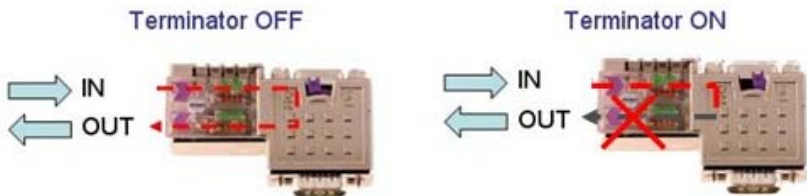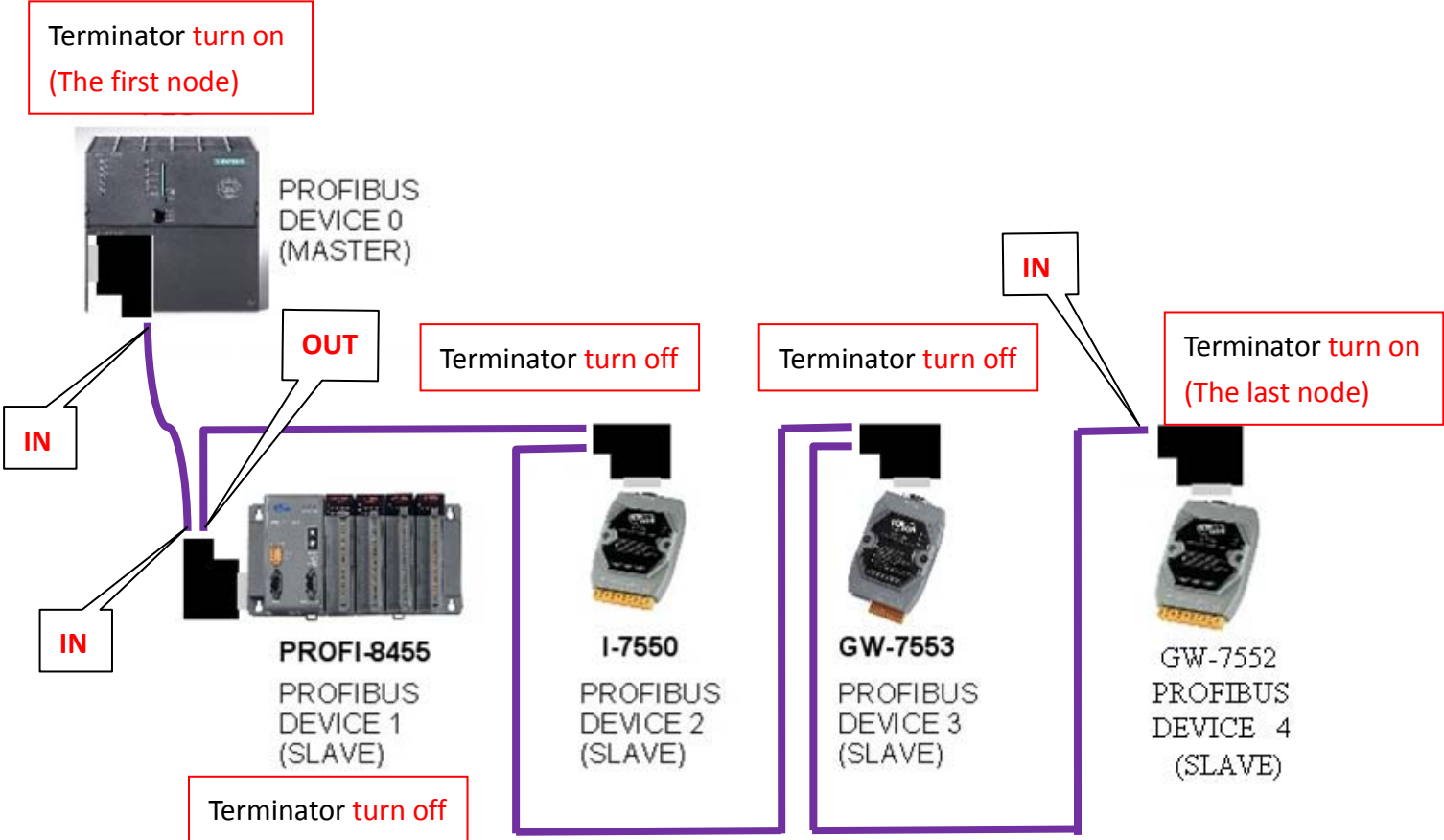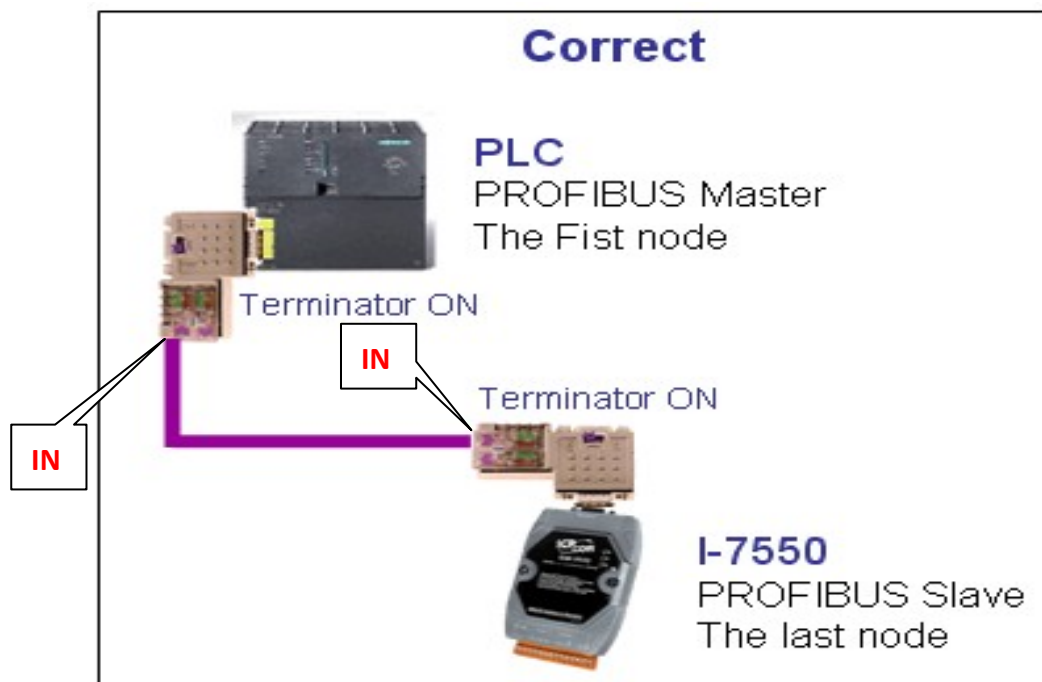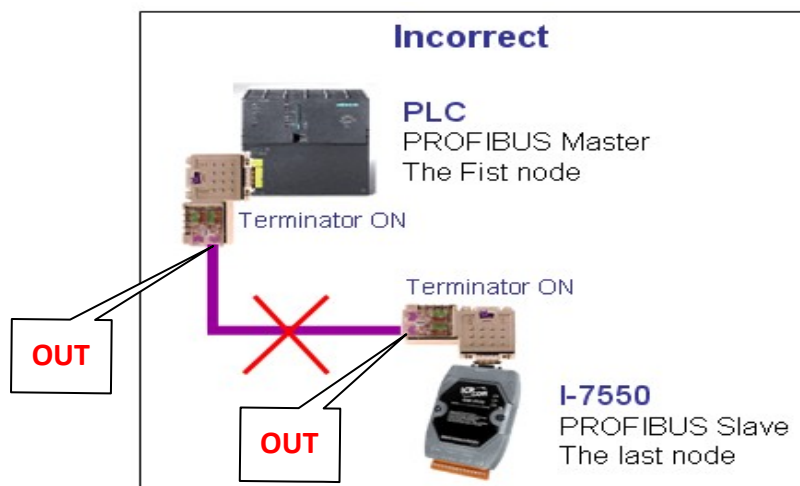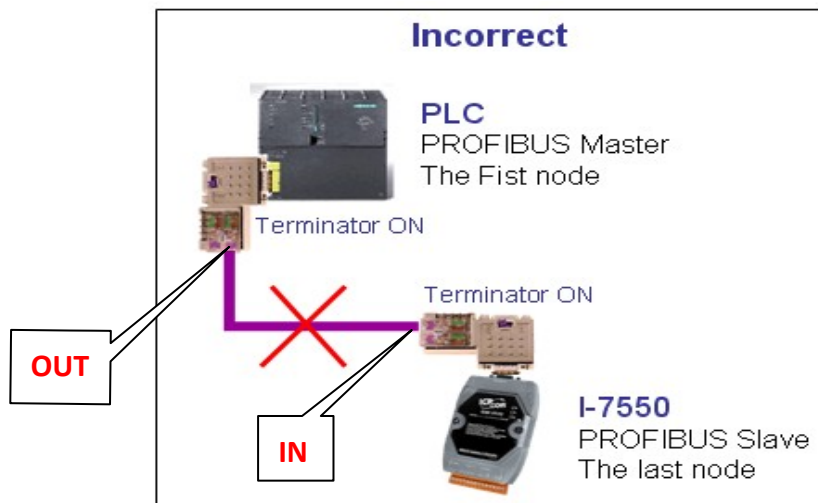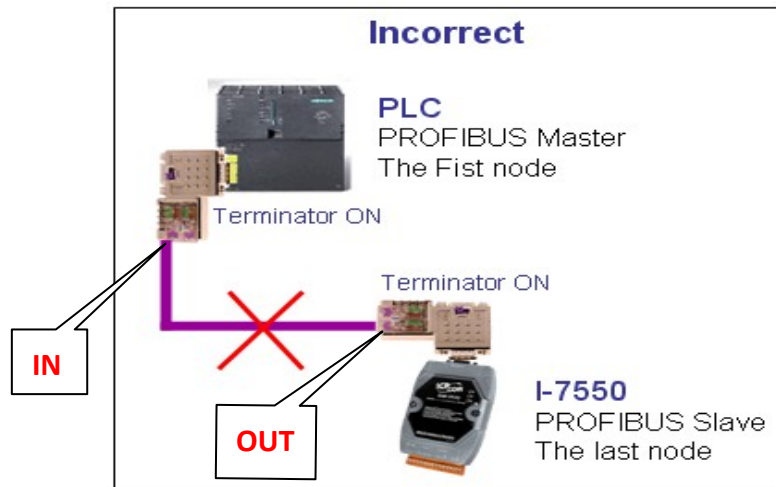
Description

For this architecture, the SIMATIC STEP7 and GW-7552 are terminations so that the terminators of STEP7 and GW-7552 must turn on. The terminators of GW-7553, I-7552 and PROFI-8455 must turn off. The following examples show the correct and incorrect connections.

Example 1: PLC and I-7550 are terminations and both terminators must turn on!

Example 2: There are various kinds of incorrect connections.

Example 3: Correct connection