



Fall 2003, Lecture 23

Figure from Field-Programmable Gate Array Technology, Trimberger, Kluwer, 1994 8 Fall 2003, Lecture 23

Antifuse Routing (cont.)

- Fully segmented
 - Switch at every cross point normally passes signals through vertically and horizontally, but can connect the vertical and horizontal tracks
 - Antifuse connects or disconnects the segments of the horizontal channel
- Non-segmented
 - Excessive area requirements
- 1-segment routing
 - Divides the tracks into segments of varying lengths, which allows each net to be routed in a track of more or less the appropriate size
- 2-segment routing

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• Allows track segments to be joined

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