Video Editing

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Technologie pro web a multimedia

1. The goals of video editor

2. Typical working environment

3. The creation process

4. Editing techniques

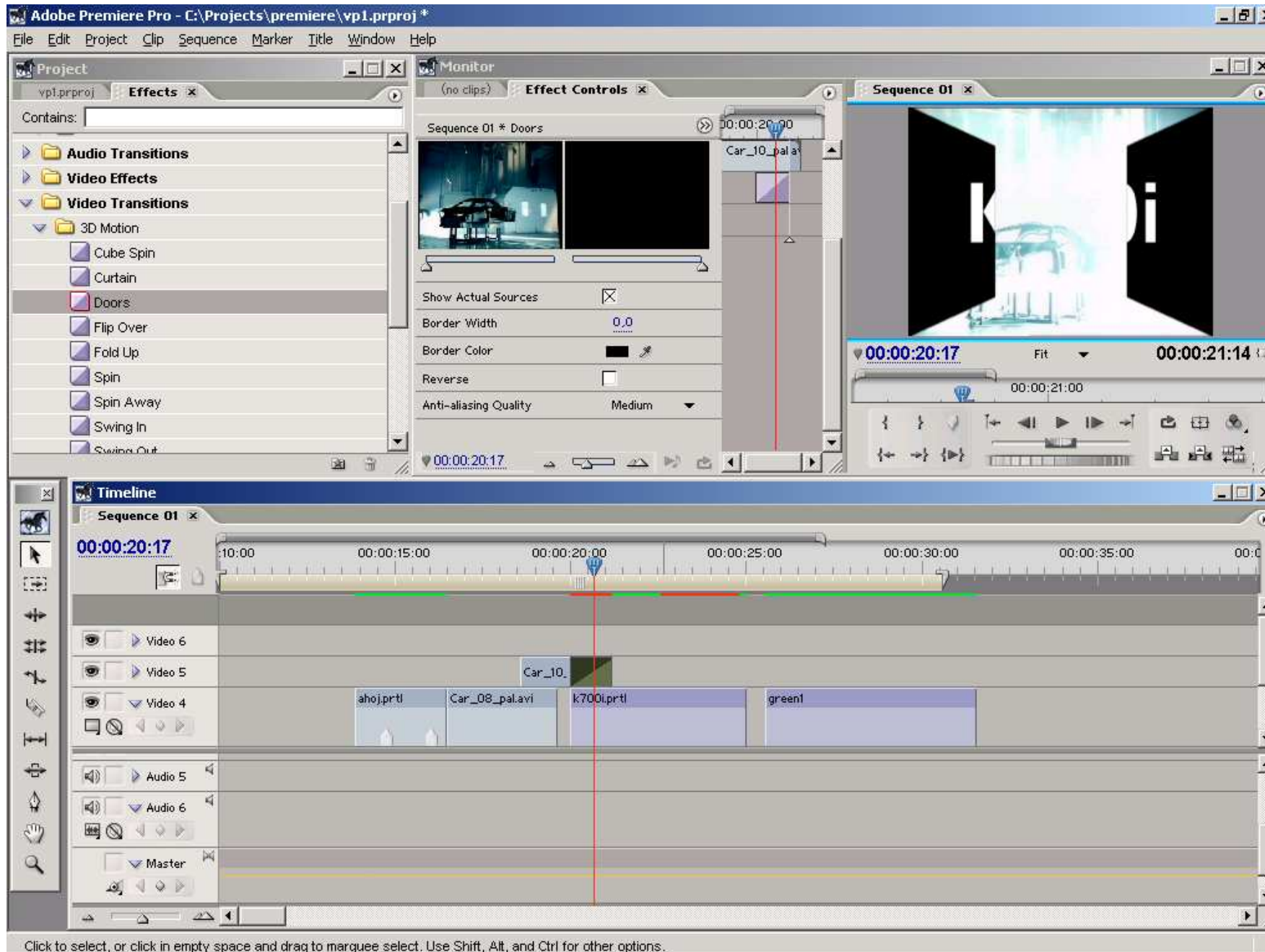5. Examples from industry

6. Video editing tools

What the editor's job is?

1. with a plan (screenplay), multimedia materials (video sequences on the input,

2. using set of graphical techniques and tools,

3. to change properties of environment on selected sequences,

4. to remove undesired objects,

5. to add new objects,

6. to add titles,

7. and to produce (usually one) final sequence

Linear video editing

Non-linear video editing

- **alpha channel** - the separate color channel specifying areas and degree of transparency

- **clip** - a set of images defining a movie

- **track** - a slot which can contain one or more clips

- **sequence** - a set of tracks which make together a desired program

- **project** - a set of sequences

- **trimming** - alignment of start and end of a clip to a specified marks in a track

- **keying** - specifying transparent areas by a color

- **masking** - specifying transparent areas by an image-mask
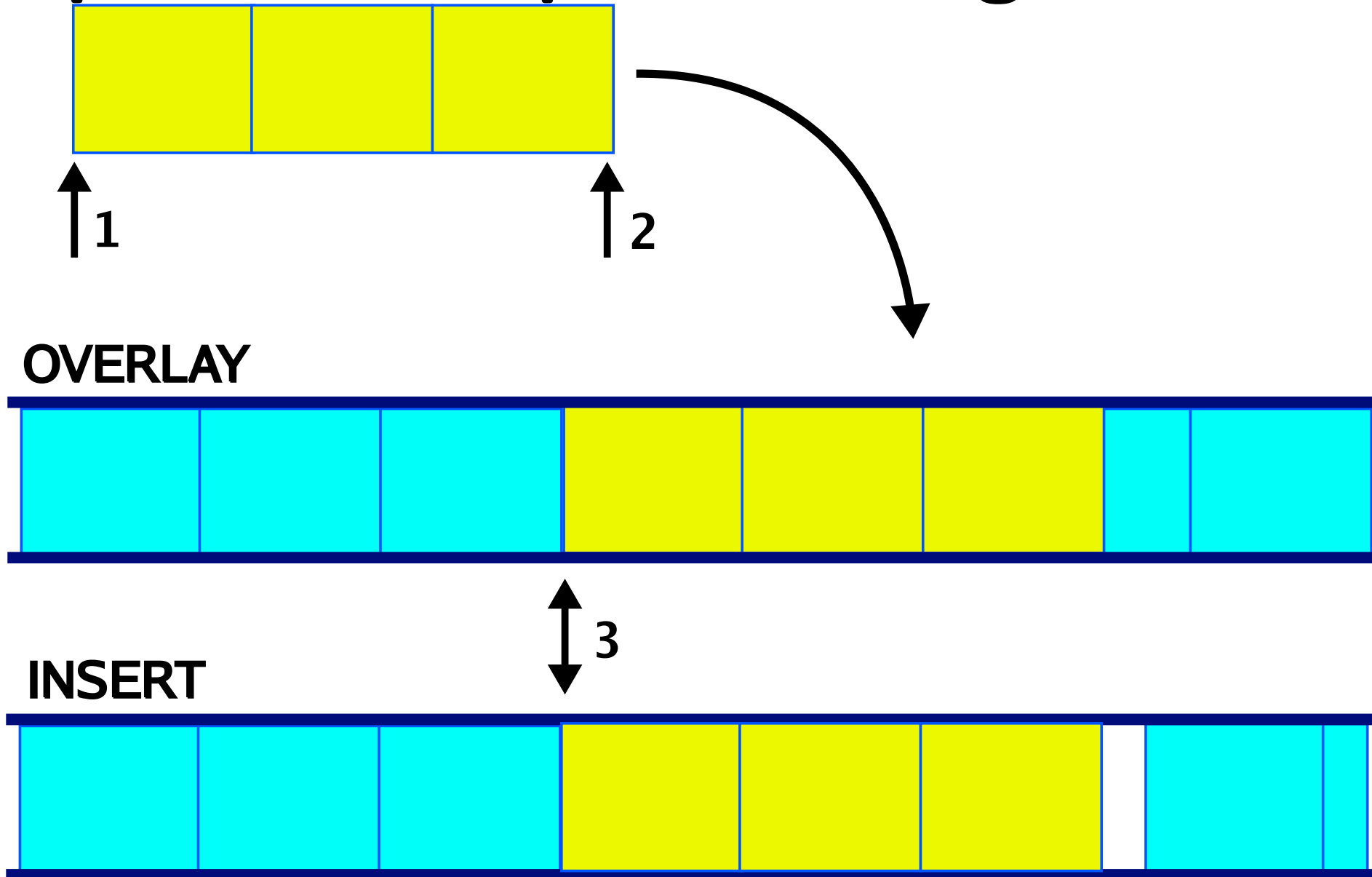
How to Create a Video Movie

- video and materials acquisition

  - slow camcoder motion

  - long clips

  - rather more materials then necessary

- capturing storing and preprocessing

- project composition

- editing

- export
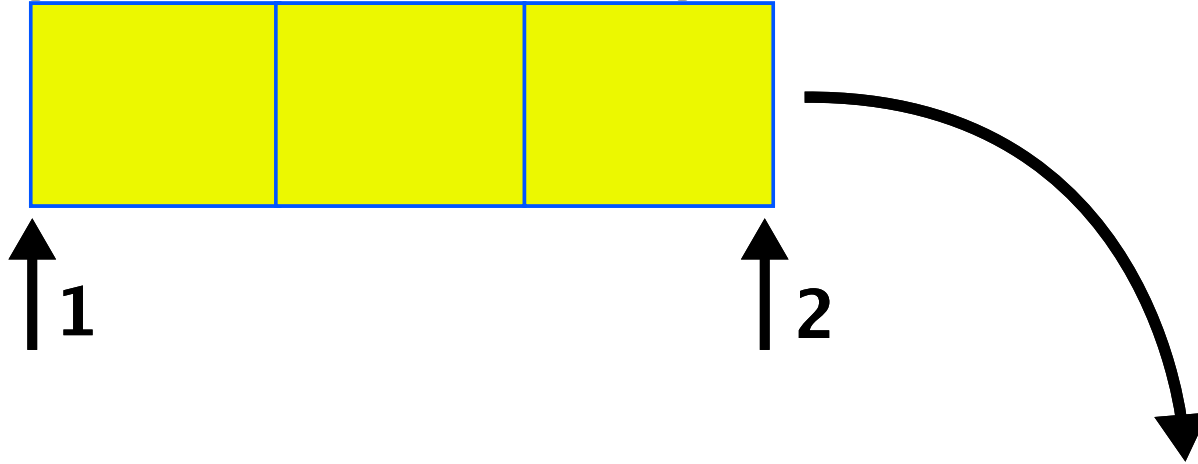
- distribution

Basic Editing Techniques

- 3-point and 4-point editing

- keying

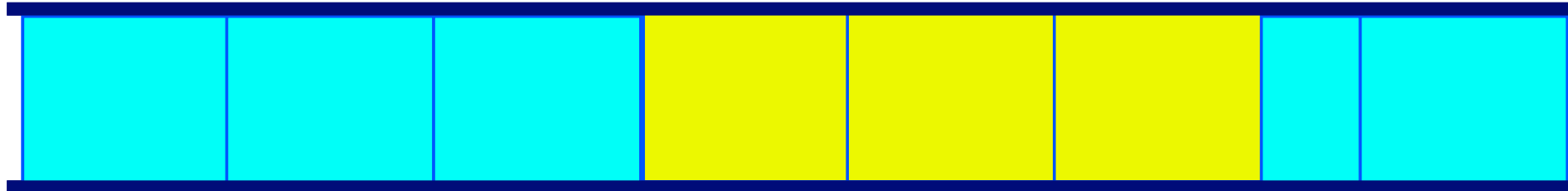- masking

- transformations

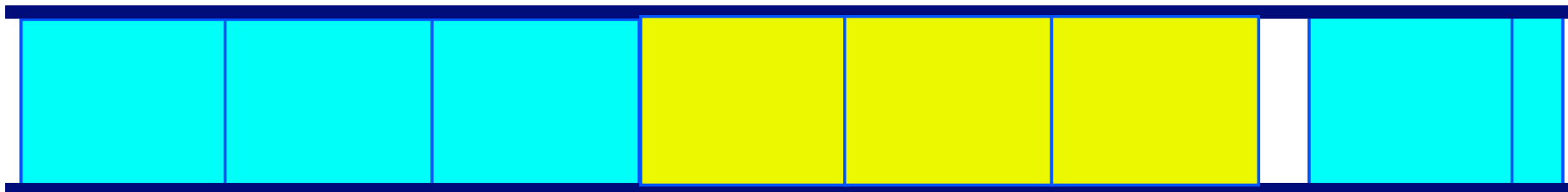- transparency effects

- titles

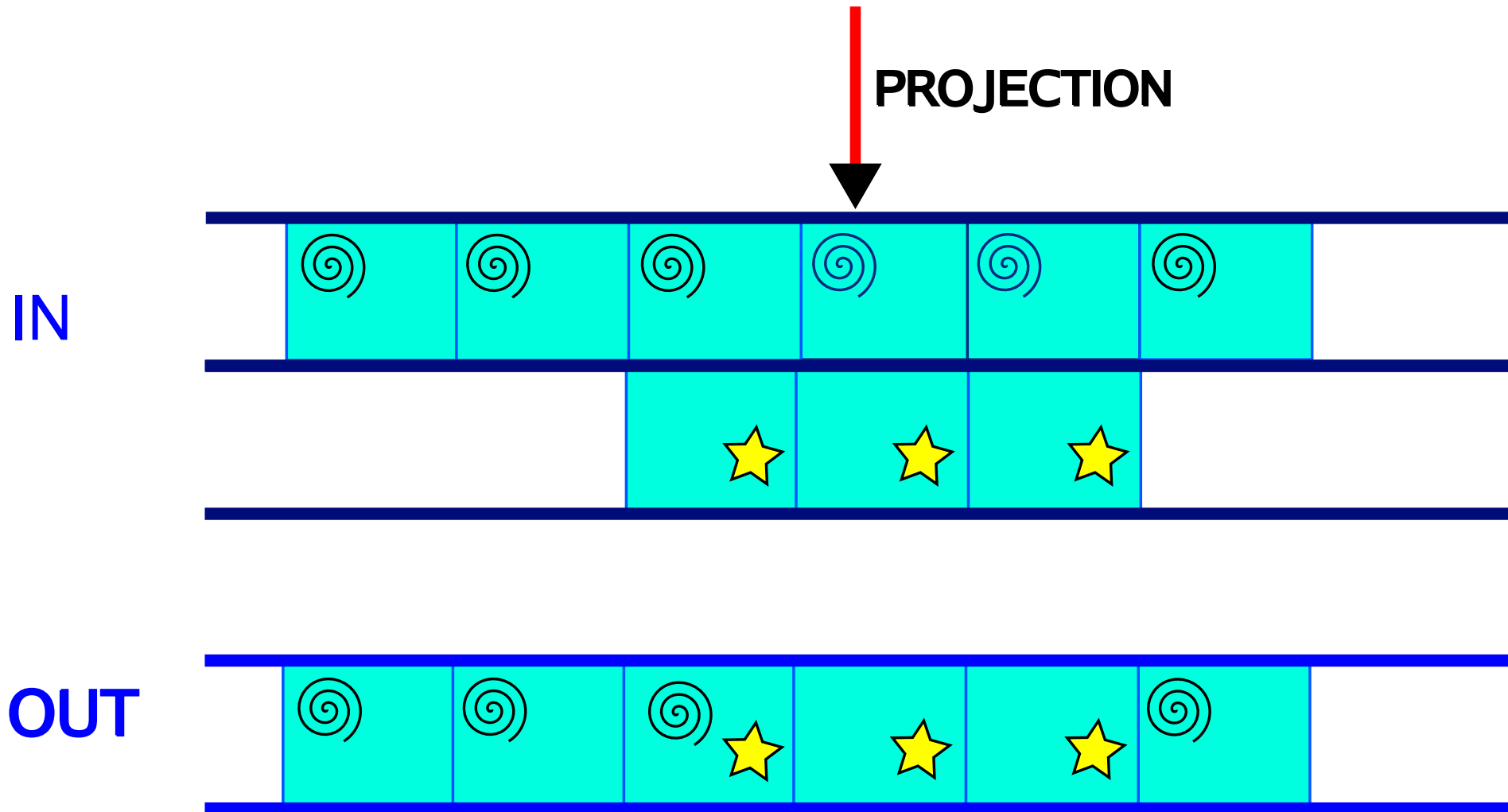# 3-point and 4-point editing
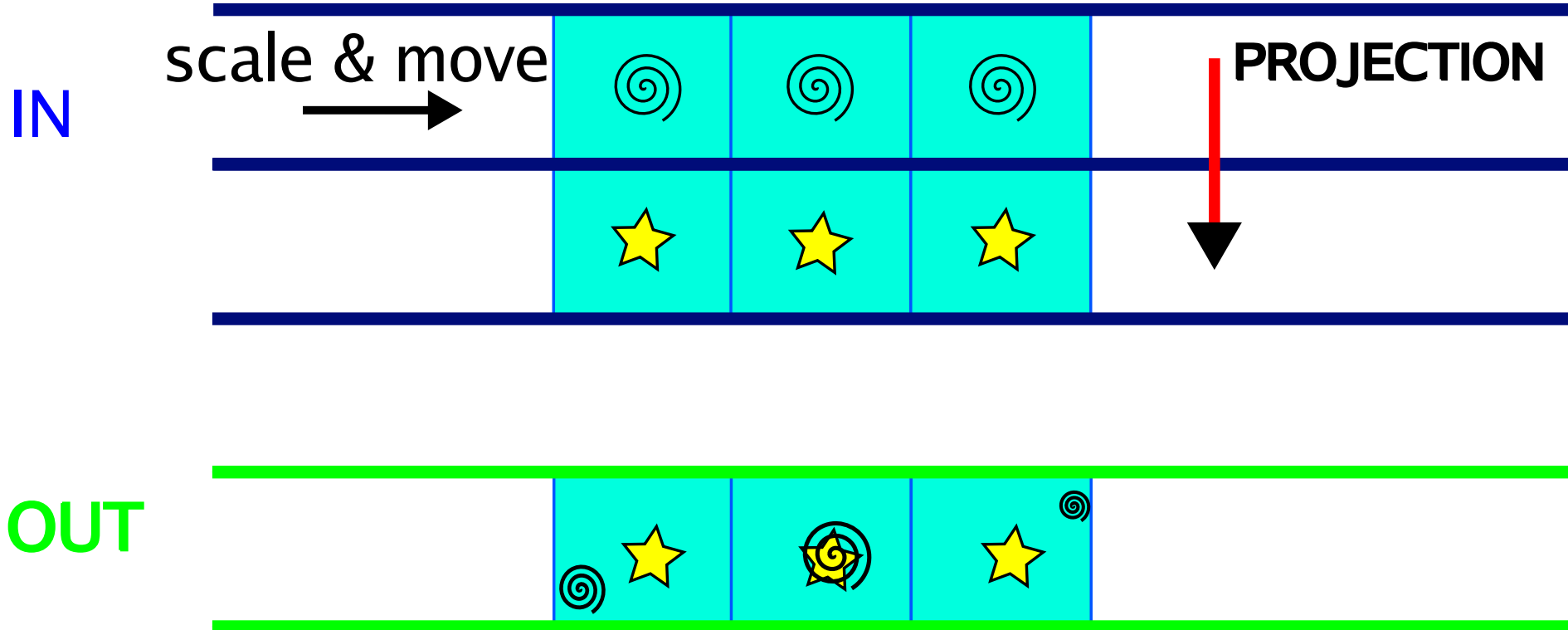
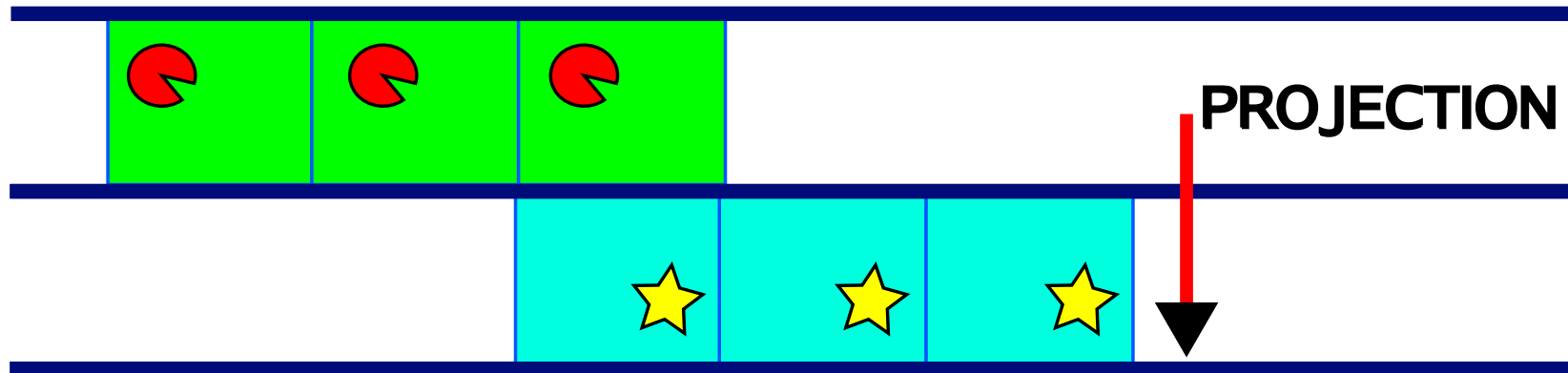# 3-point and 4-point editing

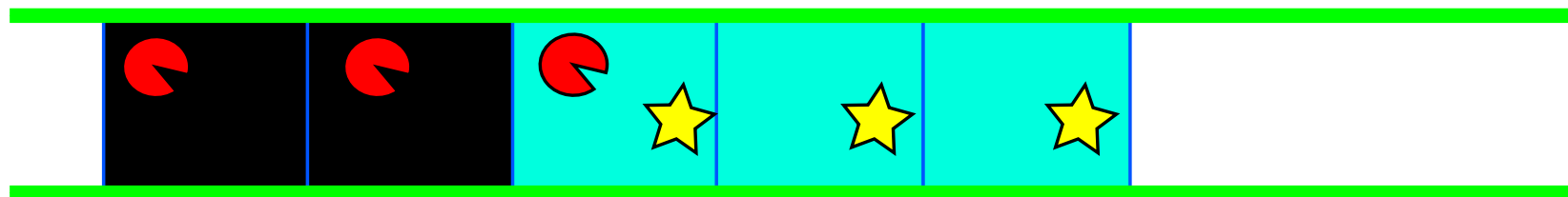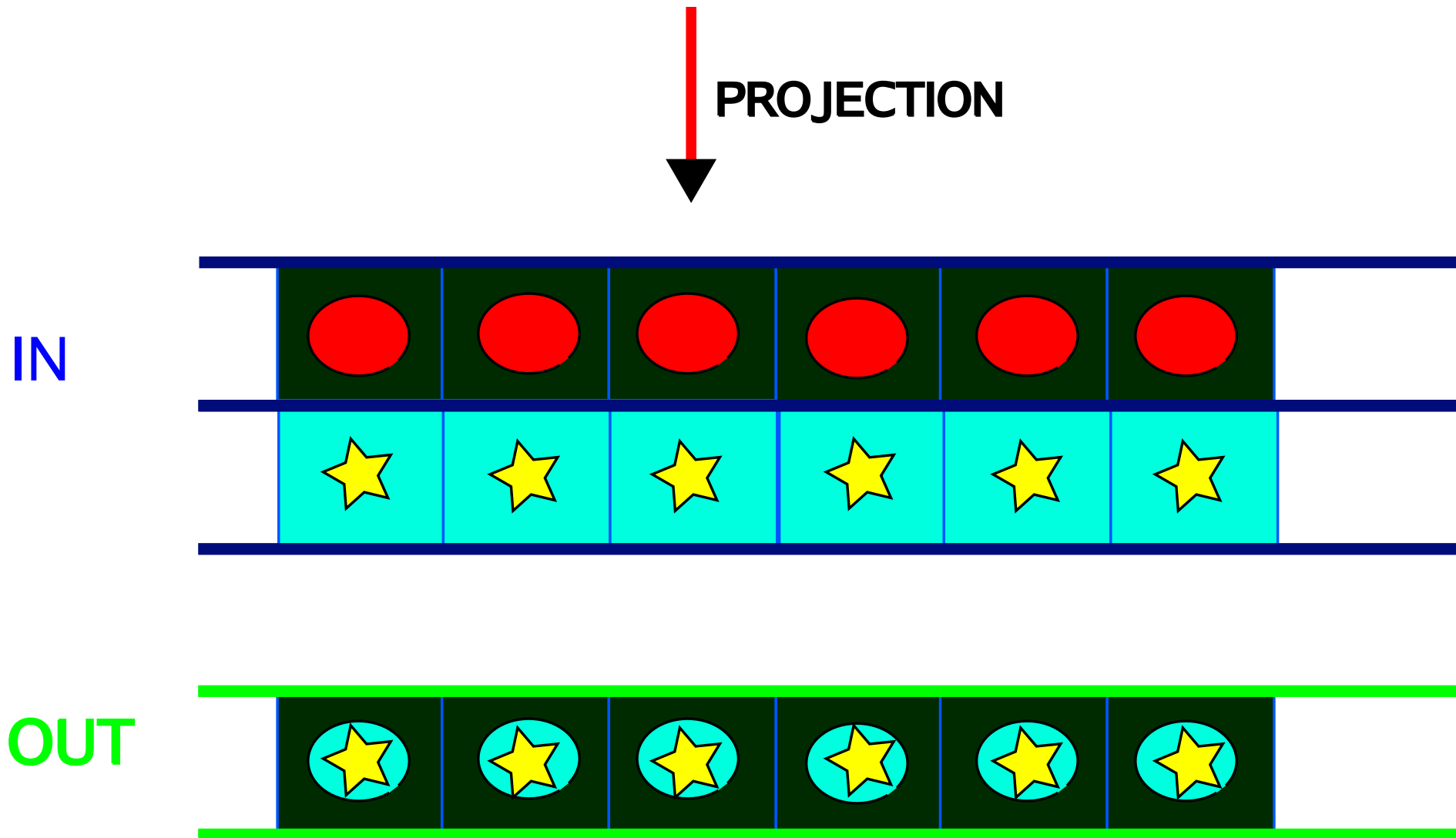OVERLAY

INSERT

Transparency Effects

Transformations

IN

scale & move

PROJECTION

OUT

Keying

Masking

PROJECTION

IN

OUT

Titles

Director
Peter Jackson

STATIC

Director
Peter Jackson

ROLLING

Director Peter

CRAWLING

Director
Peter Jackson

TRANSFORMED

Titles

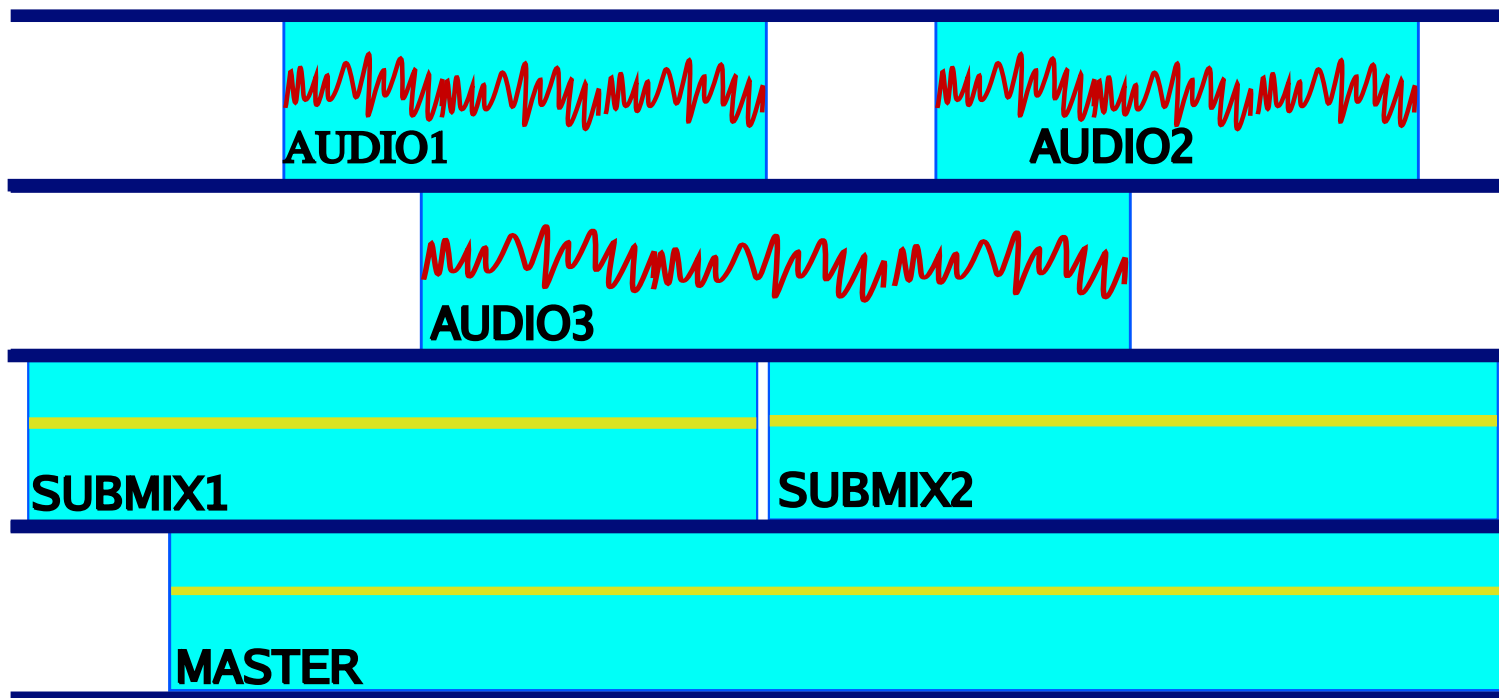|		
Director Peter Jackson	Director Peter Jackson	irector Peter J
STATIC	**ROLLING**	**CRAWLING**

Director Peter Jackson
TRANSFORMED

Audio editing

- 3 types of clip (mono, stereo, 5.1)

- 3 types of track (regular audio, *Master*, *Submix*)

- typical effects (volume, pan, fade, filters)

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Crowd copy, green screen

Crowd copy, green screen

Crowd copy, green screen

Crowd copy, green screen

Crowd copy, green screen

Objects removal and addition

Objects removal and addition

Commercial Products

- Adobe Premiere (www.adobe.com)

- Adobe After Effects (www.adobe.com)

- Pinacle Studio (www.pinnaclesys.com)

- Avid Xpress (www.avid.com)

LINUX World

- Cinelerra (http://heroinewarrior.com/cinelerra.php3)

- MainActor (http://www.mainconcept.com)

- LiVES

  (http://www.xs4all.nl/ãsalsaman/lives/index.html)

- AND-SOME-NEXT (www.google.com)