

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



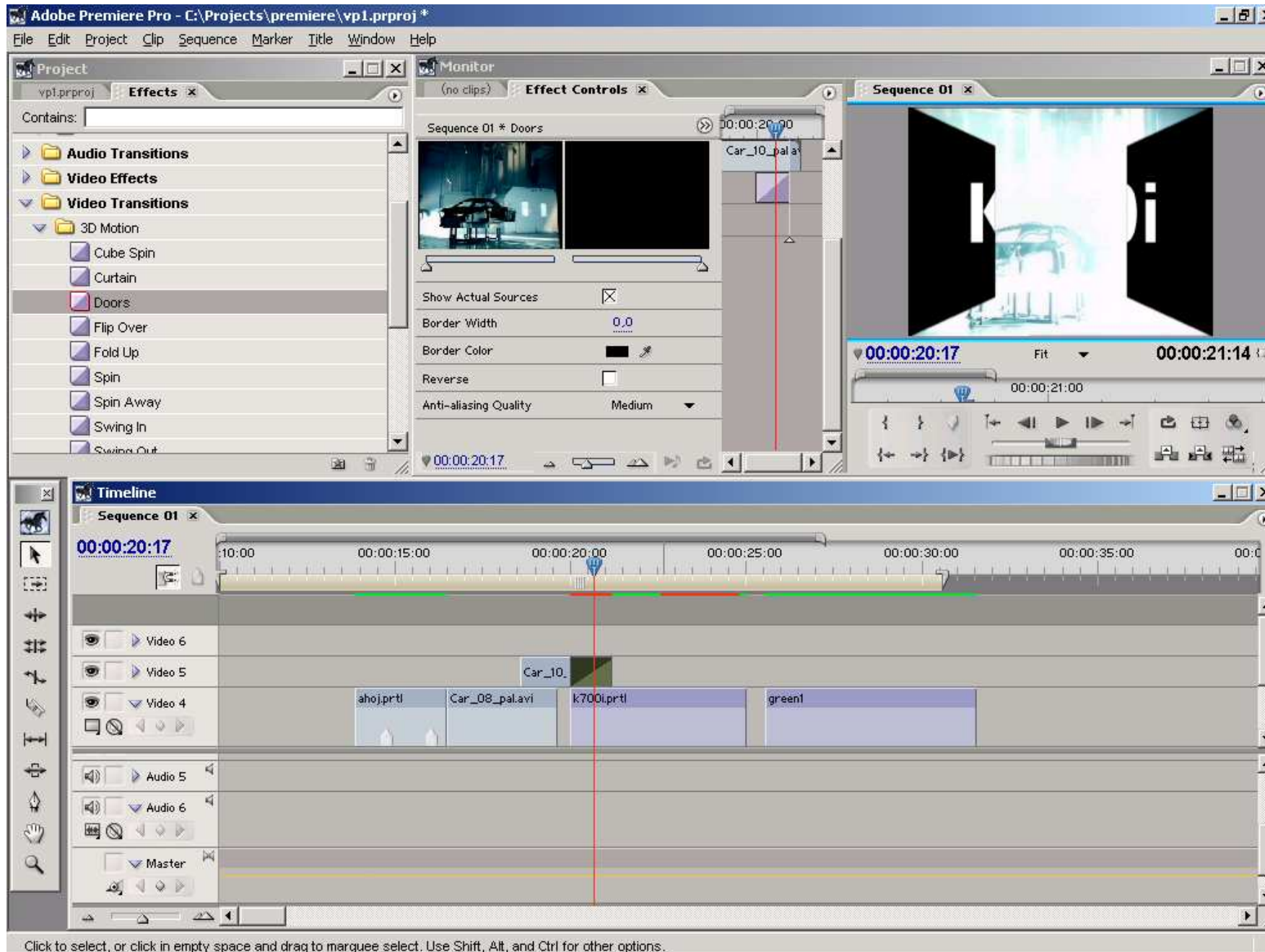
What the editor's job is?

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

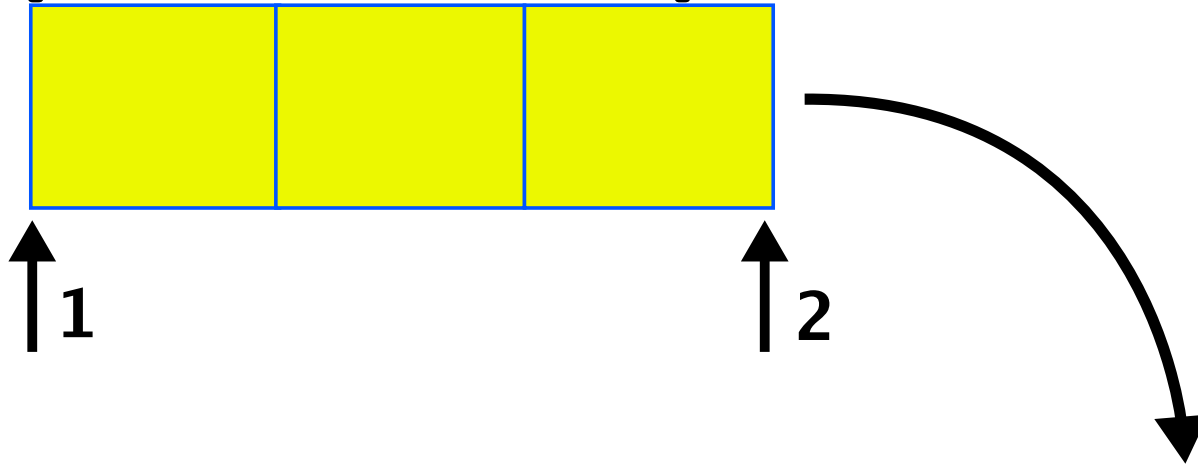
- video and materials acquisition
 - slow camcoder motion
 - long clips
 - rather more materials than necessary
- capturing storing and preprocessing
- project composition
- editing
- export
- distribution

Basic Editing Techniques

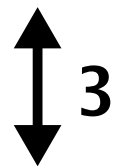
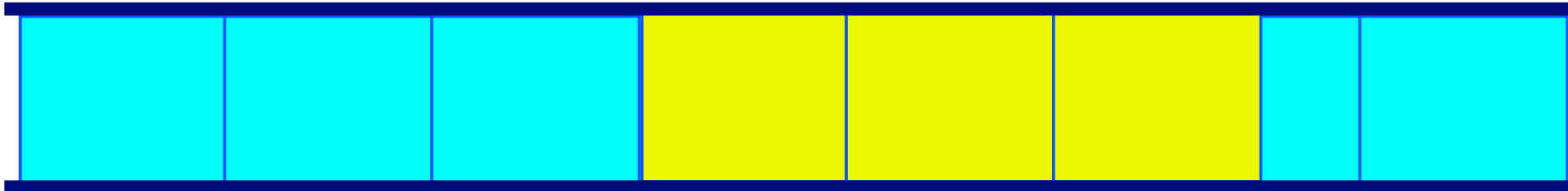
- 3-point and 4-point editing
- keying
- masking
- transformations
- transparency effects
- titles



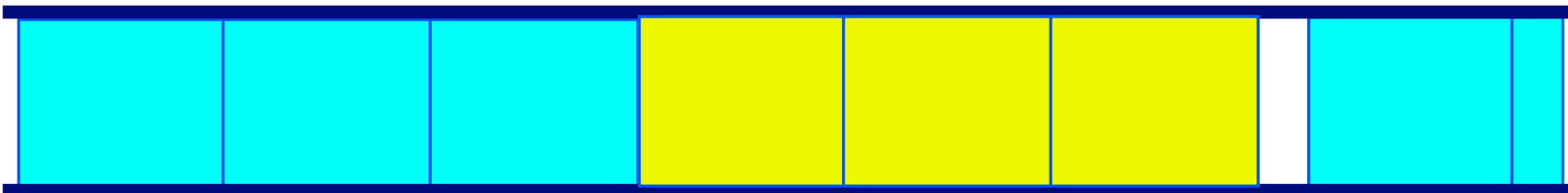
3-point and 4-point editing



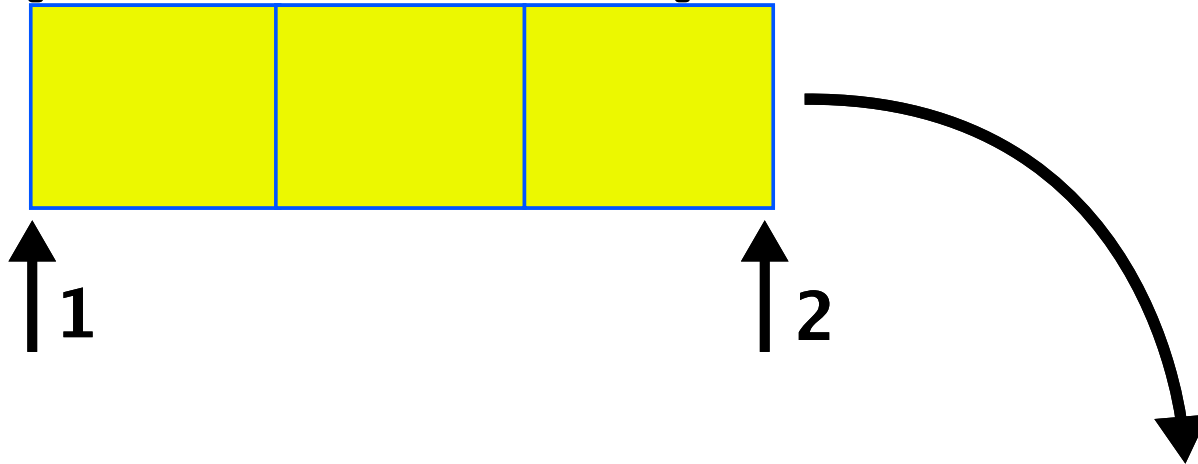
OVERLAY



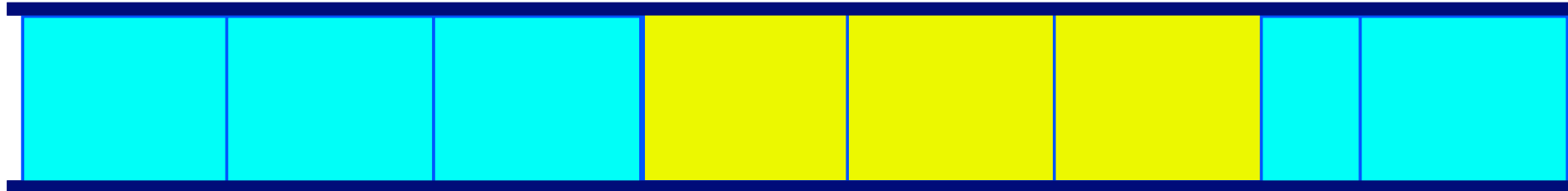
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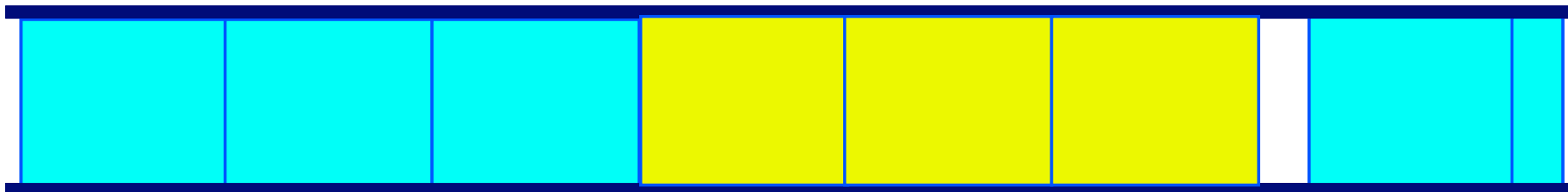
3-point and 4-point editing



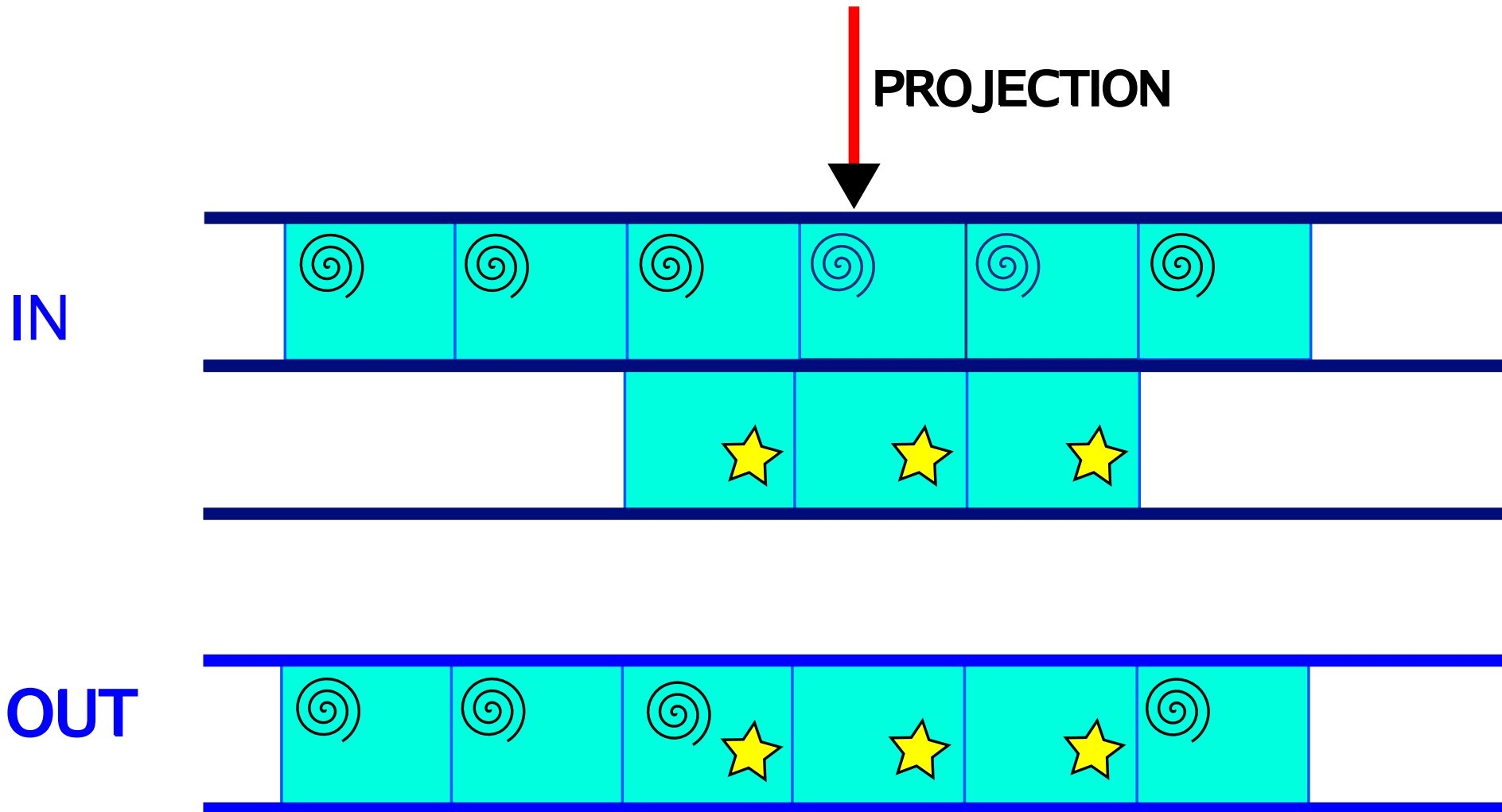
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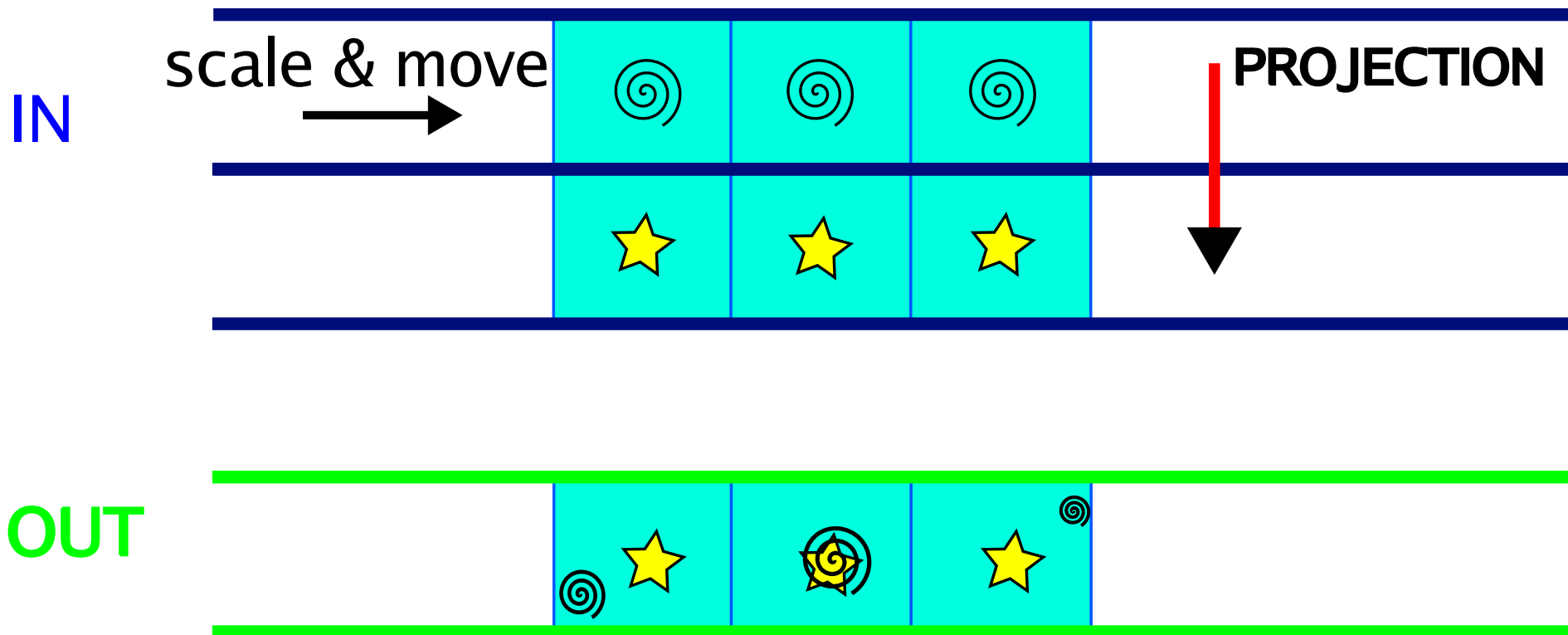
INSERT



Transparency Effects

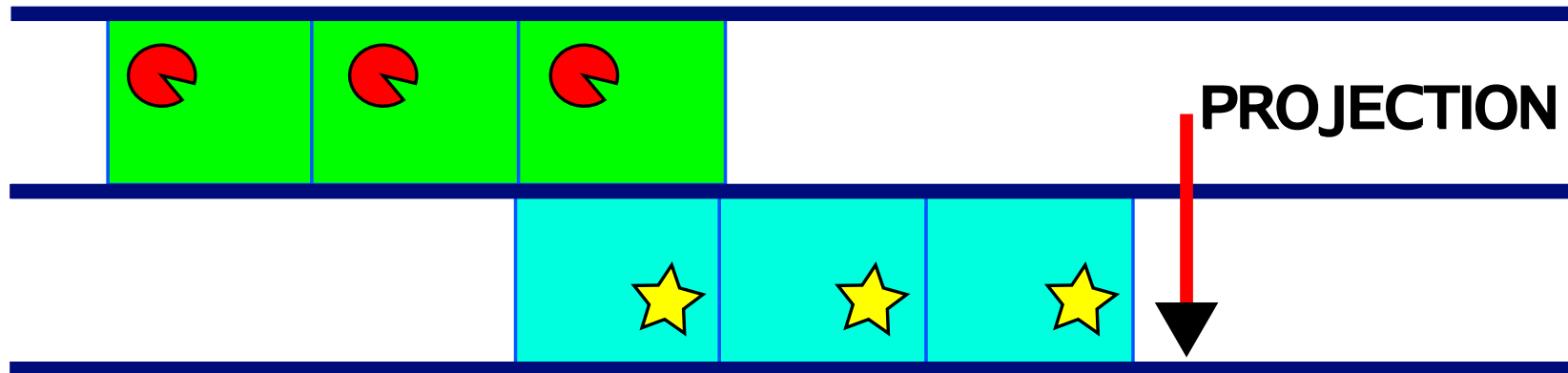


Transformations

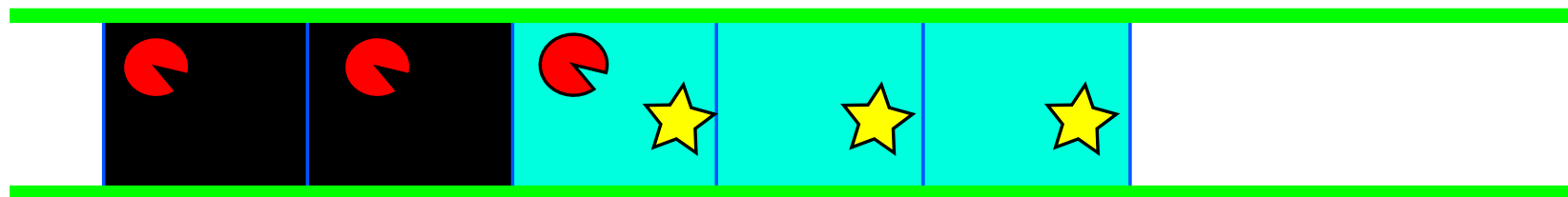


Keying

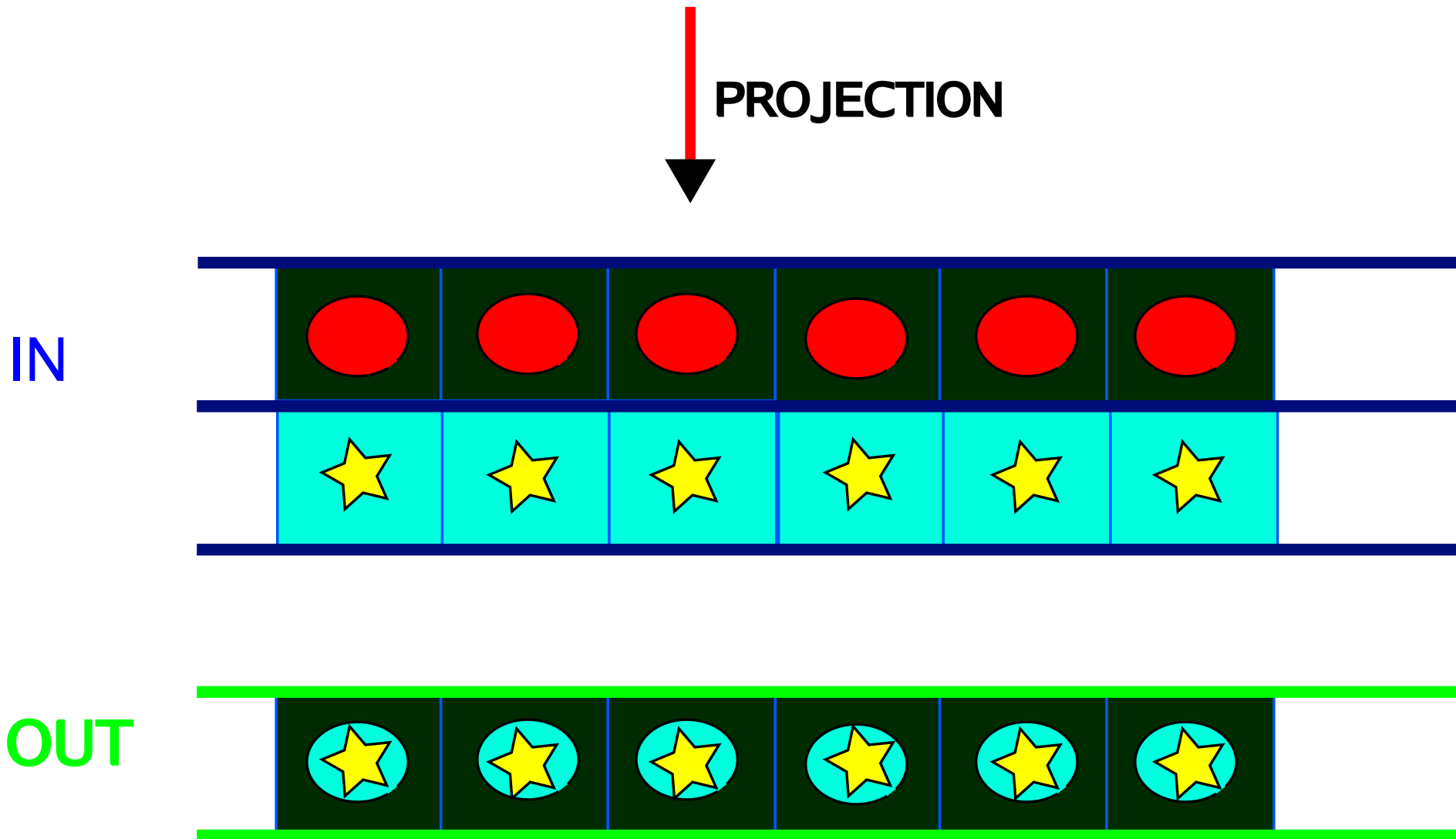
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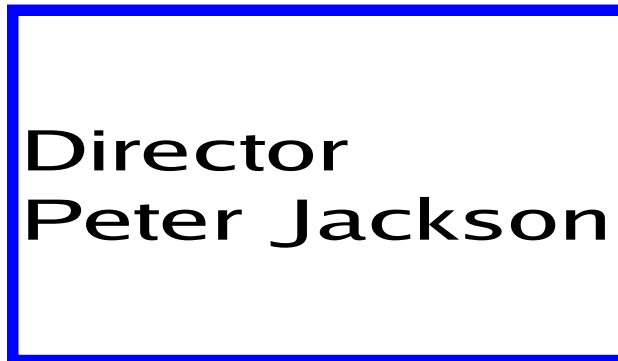
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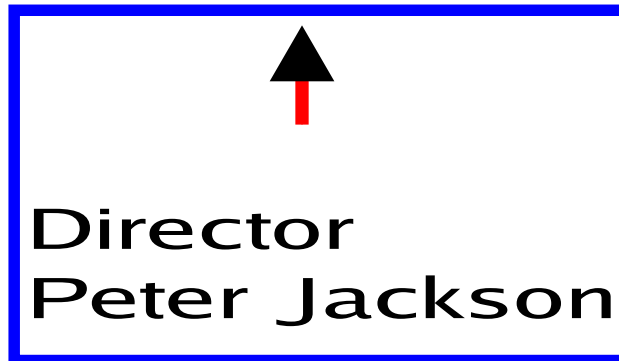
Masking



Titles



STATIC



ROLLING




CRAWLING



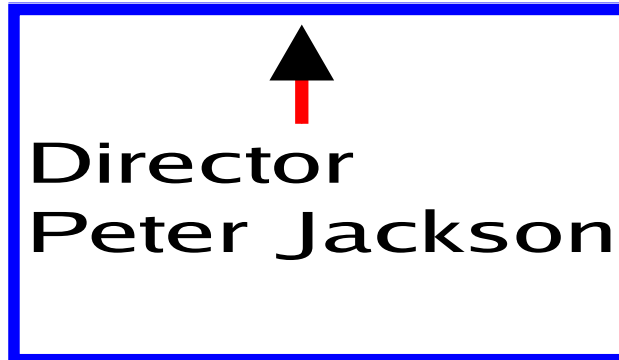
TRANSFORMED

Titles



Director
Peter Jackson

STATIC



Director
Peter Jackson

ROLLING



irector Peter J

CRAWLING

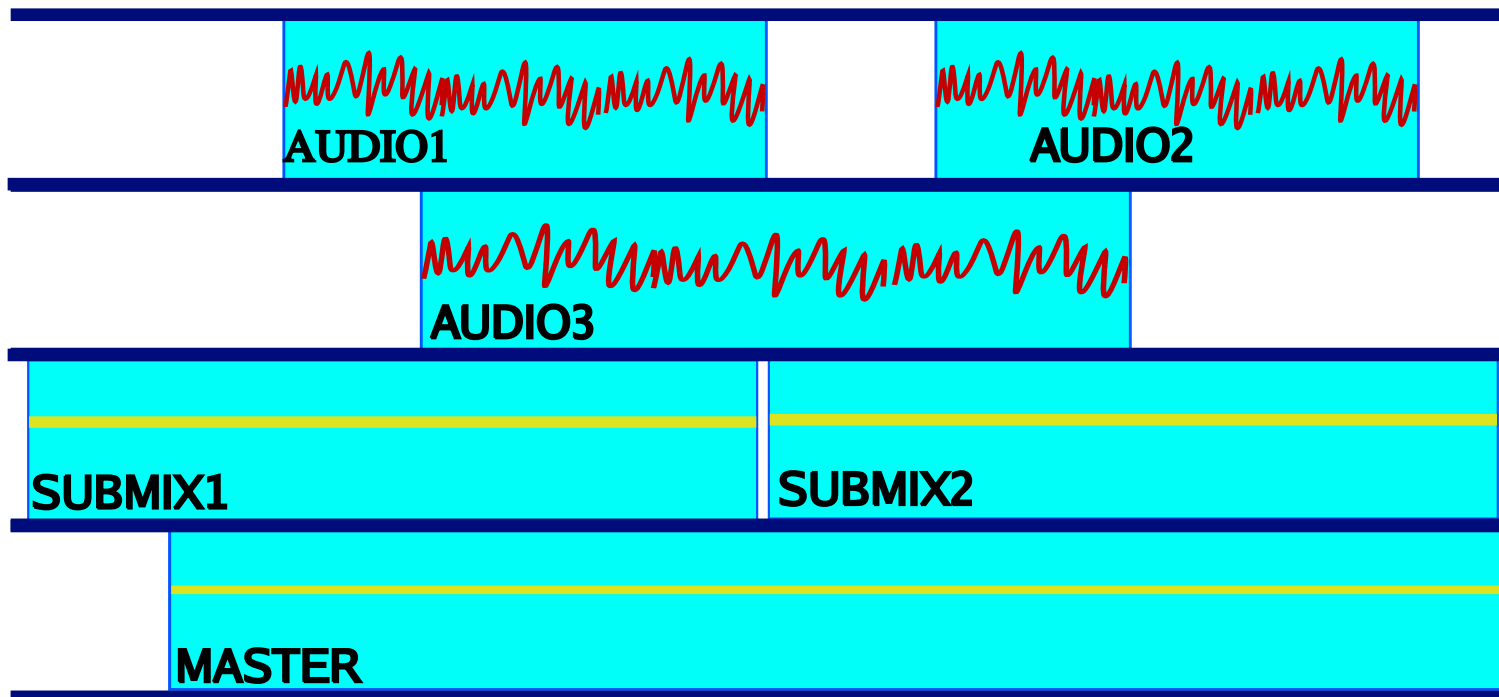


*Director
Peter Jackson*

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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<http://www.upp.cz>

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)
- Pinnacle 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/~salsaman/lives/index.html>)
- AND-SOME-NEXT (www.google.com)