

2018 49

2015 3

2018	20	2019	40	2020	40	100
10 15				1 3		

25%

1

14 16

0.5

240

5 15

20

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30%

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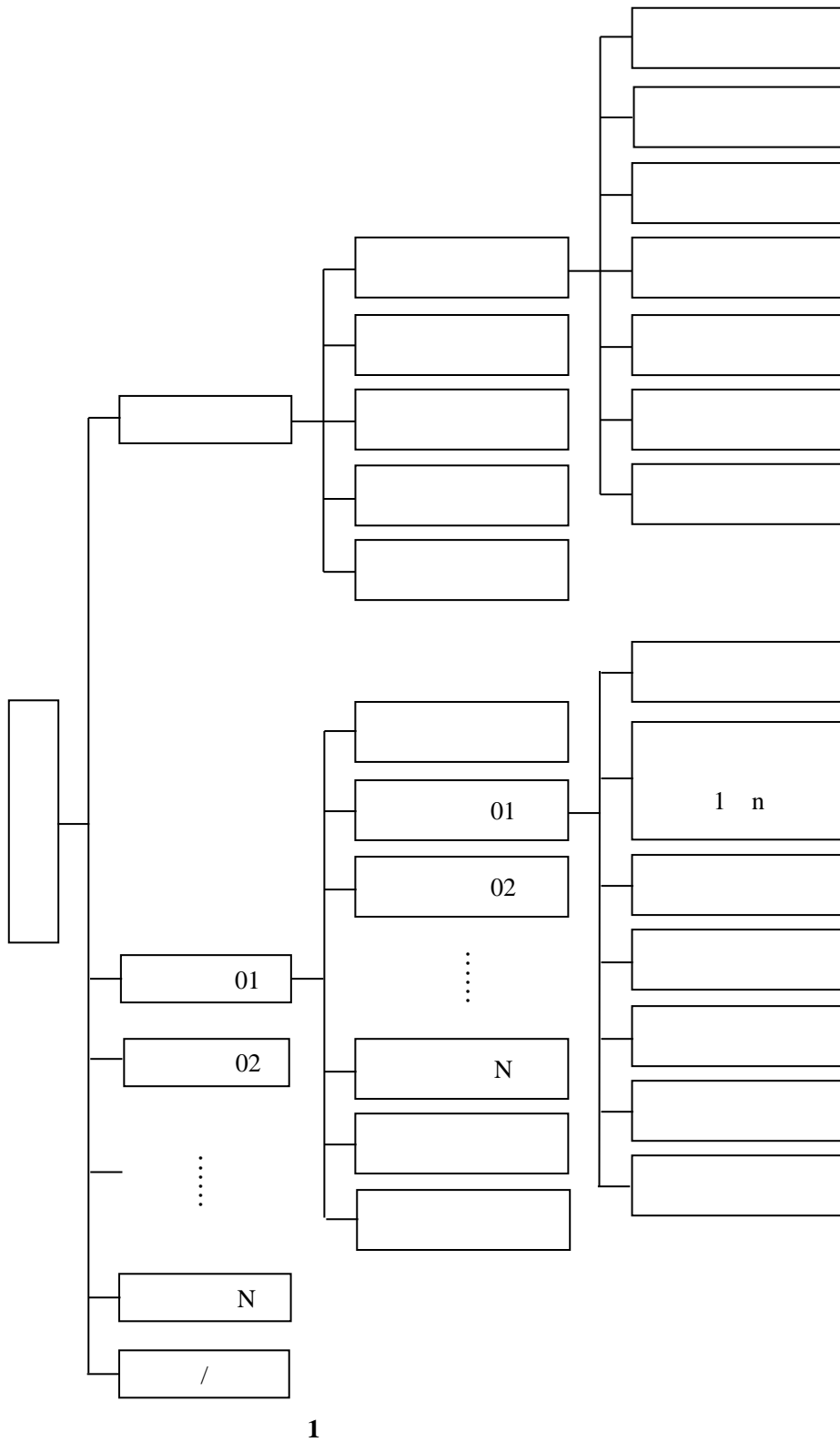
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14 16

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240



MP4 1920*1080 1280*720 25 fps

: H.264/AVC 1024 kbps

AAC(MPEG4 Part3) 128Kbps

48 KHz 2

MP4 FLV 720*576 720*480 25 fps

: H.264/AVC 512kbps

AAC(MPEG4 Part3) 128Kbps

48 KHz 2



PPT

Flash

19 16:9



48 dB



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10

2.

UTF-8

GB18030

txt doc docx pdf rtf htm

html xml

3.

/

24

256

1024×768

72 dpi

gif png jpeg jpg bmp

4.

44.1 kHz

22.05 kHz

8

64 Kbps

wma mp3 mp4

mp3

5.

320×240

()

mp4 wmv mov flv

mp4

6.

5

gif swf Flash6.0 svg

7.

ppt pptx PDF

“ ”

8.

CSS

Microsoft IE Google Chrome Mozilla Firefox

HTML5

9. flash

swf

Flash 6.0

$$M = K_i \quad K_i$$

				K_i
1. 10				3
				4
				3
2. 28				5
				6
				6
			1 240	8

				3
3. 30				5
				6
				5
				6
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			3	48	3
4. (20)					5
					5
				/	5
					5
5. (12)					4
					4
					2
					2

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