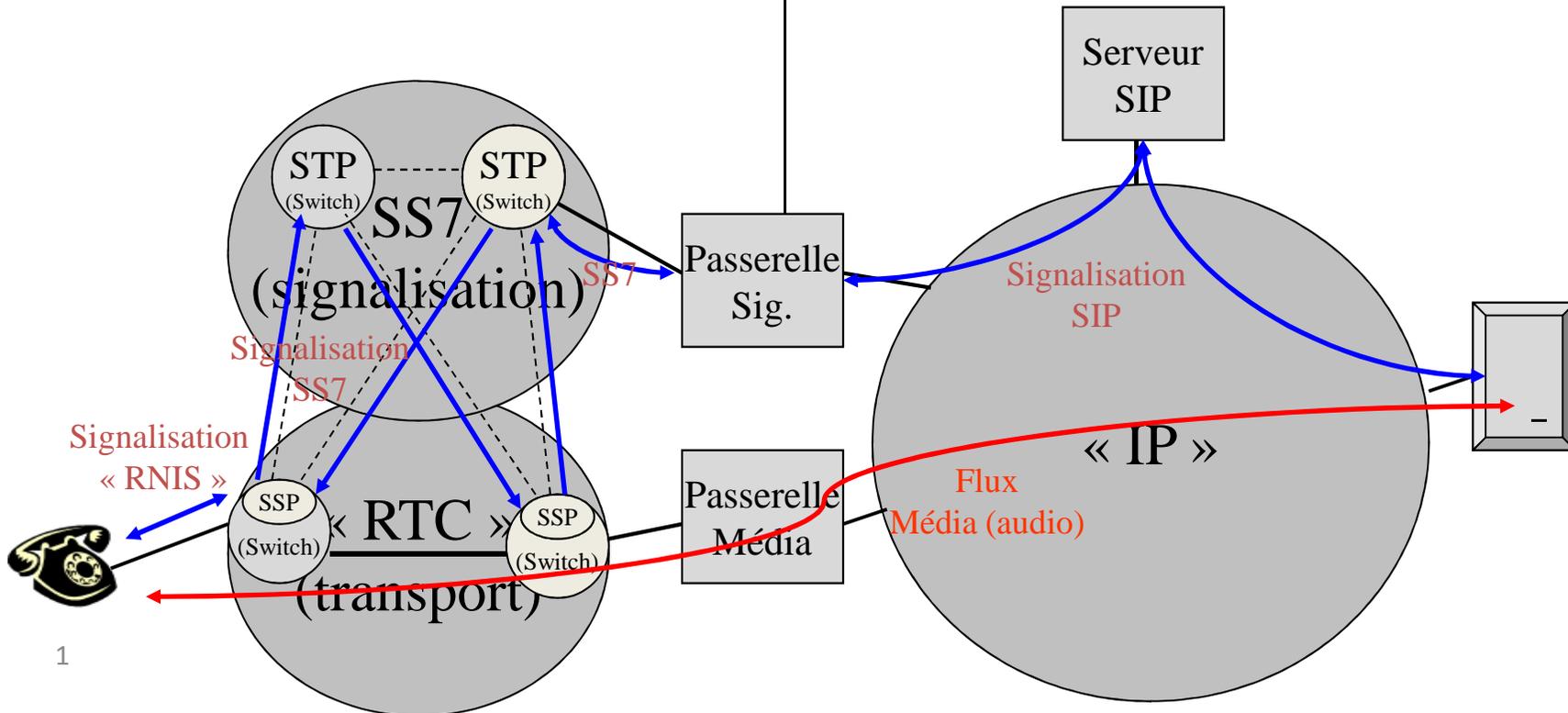
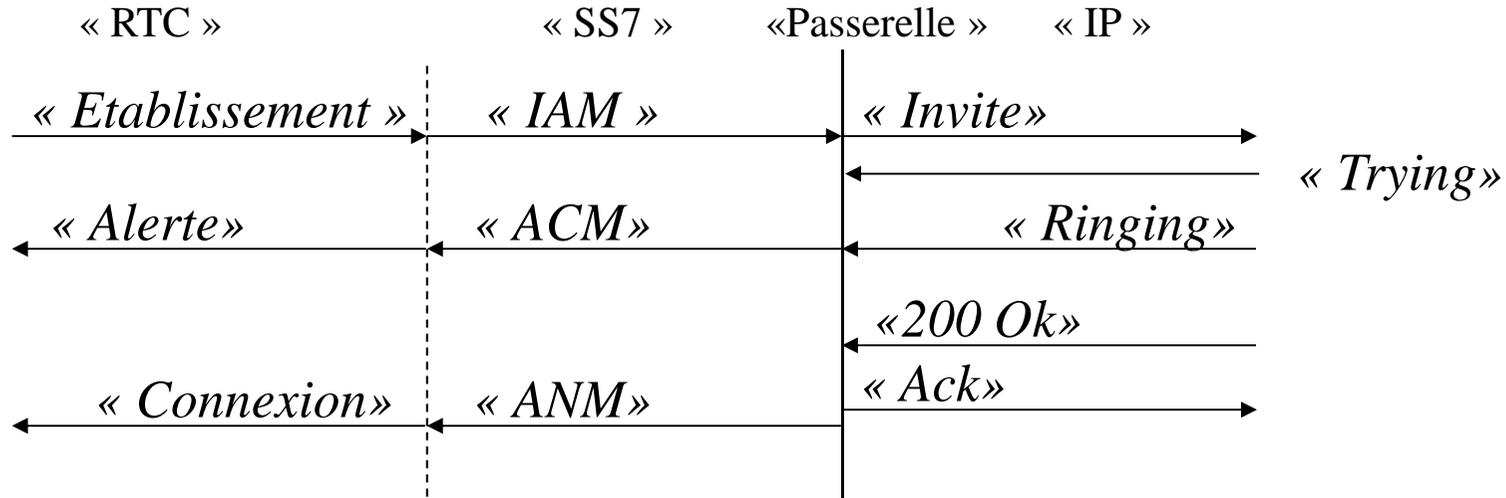


Livret élève: séquence 2 (question a)



question b: plusieurs solutions:

*Dans message SIP spécifique: « INFO »

```
INFO sip:7007471000@example.com SIP/2.0
Via: SIP/2.0/UDP alice.uk.example.com:5060
From:
<sip:7007471234@alice.uk.example.com>;tag=d3f423d
To: <sip:7007471000@example.com>;tag=8942
Call-ID: 312352@myphone
CSeq: 5 INFO
Content-Length: 24
Content-Type: application/dtmf-relay

Signal=5
Duration=160
```

*Dans le contenu média (RTP)

*Message RTP spécifique (RFC 2833)

Code des événements DTMF:

Événement ^t	code (decimal)
0--9	0--9
*	10
#	11
A--D	12--15
Flash	16

RFC 2327 (syntaxe SDP):

a=fmtp:<format> <list of values>

Extrait du corps (SDP) du message (SIP)

```
.....
m=audio 8000 RTP/AVP 0 8
m=audio 5000 RTP/AVP 96 97
a=rtpmap:96 red/8000
a=rtpmap:97 telephone-event/8000
a=fmtp:97 0-15,66,70
```

0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1													
V=2 P X				CC		M		PT		sequence number			
2 0 0				0		0		96		28			
timestamp													
11200													
synchronization source (SSRC) identifier													
0x5234a8													
F		block PT		timestamp offset				block length					
1		97		11200				4					
F		block PT		timestamp offset				block length					
1		97		11200 - 6400 = 4800				4					
F		Block PT											
0		97											
		digit		E R		volume		duration					
		1		1 0		7		1600					
		digit		E R		volume		duration					
		5		1 0		10		2000					
		digit		E R		volume		duration					
		#		0 0		20		400					

