

**Ficha de Trabalho**

**Curso:** TGPSI

**Ano:** 1

**Disciplina:** Redes de Comunicação

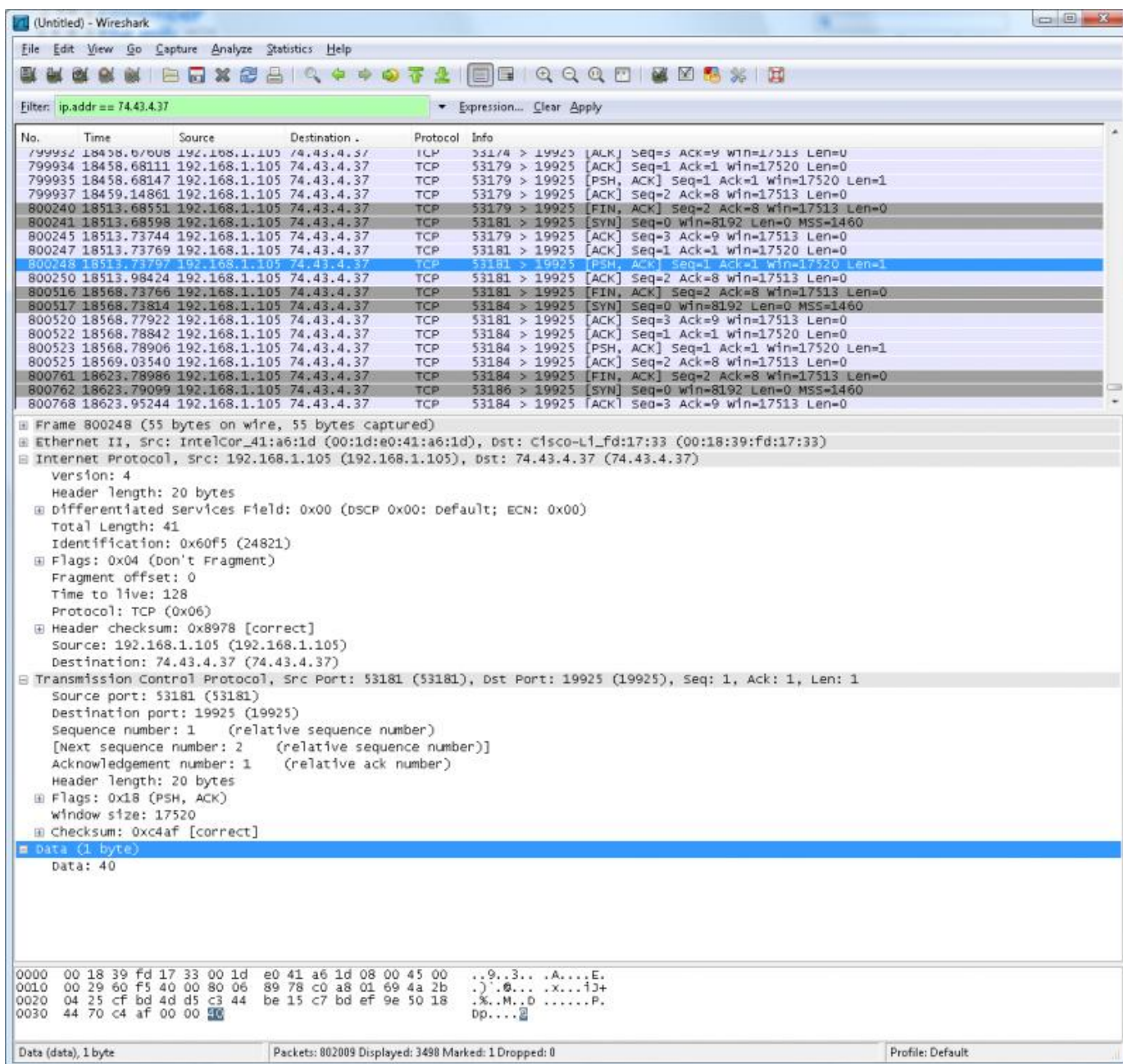
**Módulo:** 2

**Ano Lectivo:**  
 2009/2010

**Data:** 12 /04 /2010

**Lê com muita atenção o enunciado e responde atentamente.**

1. Tendo em conta esta captura de pacotes numa rede responde às questões que se seguem:

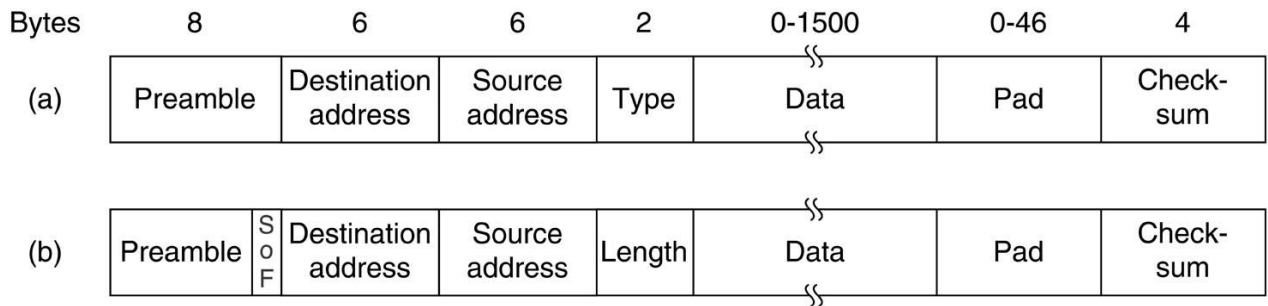


The screenshot shows a Wireshark interface with a packet list and a packet details pane. The filter is set to 'ip.addr == 74.43.4.37'. The packet list shows several TCP packets between 192.168.1.105 and 74.43.4.37. Packet 800248 is selected, showing details for Ethernet II, Internet Protocol, and Transmission Control Protocol (TCP). The TCP details show a sequence number of 1, acknowledgment number of 1, and flags of 0x18 (PSH, ACK). The data field contains 40 bytes.

- a) Qual o protocolo utilizado nesta comunicação.

-TCP.

b) Completa a seguinte frame Ethernet



DA= 00.18.39.fd.17.33)

SA=(00.1d.e0.41.a6.1d)

c) Com base na informação relativa ao pacote IP completa-o

An IP Header Format				
Version	IHL	Type of Service	Total length	
Identification			Flags	Fragment offset
Time of live	Protocol		Header checksum	
Source address				
Destination address				
Option (optional)				
Data (variable)				

Version: 4

IHL: 20 Bytes

Type of service: 0x00 (DSCP 0x00: Default: ECN: 0x00)

Total length: 41

Identification: 0x60f1 (24821)

Flags:0x04

Fragment offset: 0

Time of live:128

Protocol:TCP

Header checksum:0x8979

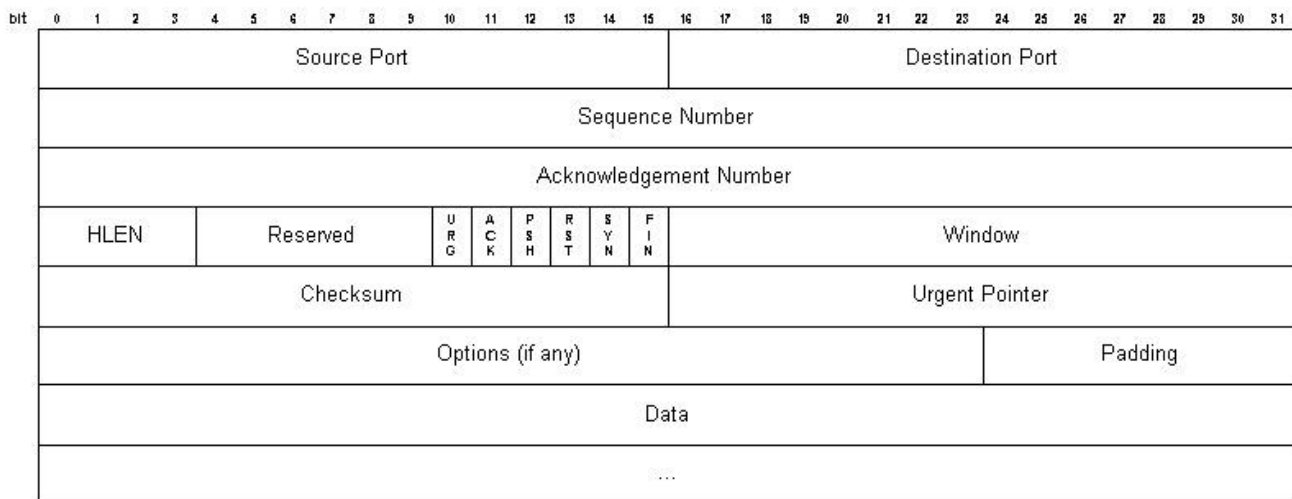
Source address:192.168.1.105

Destination adress:74.43.4.37

Option:

Data:40

d) Analisa a frame capturada e completa o segmento TCP:



Source Port:53181

Destination Port:19925

S-N:1

A-N:1

HLEN:20 bytes

Reserved:

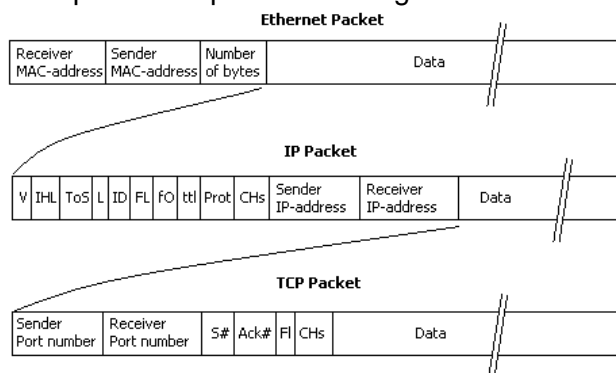
Window:17520

Checksum:0x04af

Urgent pointer:

Data:40

2. Qual a designação dada ao processo que mostra a figura:



Encapsolamento de dados.

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