ANNEX A · THREE INSTALLS COMPARED

Name: _____ **Date:** _____ **PC:** _____

Three systems, installed by you. Today you compare them with numbers. You need your handouts from Wednesday and Thursday.

TASK 1 **Evidence from the host (no VM running)**

Server: _____ User: _____

Your VMs live on the class server. Open a terminal on your PC (**Ctrl + Alt + T**) and log in to it with the password from the slip. The **up arrow** brings back your last command so you can change only the name.

```
ssh <user>@<server>
virsh -c qemu:///session vol-info --pool default deb-lab.qcow2
virsh -c qemu:///session snapshot-list deb-lab
```

Repeat both `virsh` lines with `ubu-srv` and `win11`, then type `exit`.

	deb-lab	ubu-srv	win11
Capacity (what the guest sees)			
Allocation (real size on the host)			
Is there a snapshot `clean`?			

DONE WHEN nine cells are filled. A missing `clean`? Tell your teacher now.

TASK 2 **The comparison table (pairs)**

Use Wednesday's Task 6, Thursday's Task 5 and what you remember. Missing Windows numbers: start `win11` and read **Ctrl + Shift + Esc** → `Performance` → `Memory` → `In use`, and File Explorer → `This PC` → `C:`. Then shut it down.

	deb-lab	ubu-srv	win11
System and version			
Installer: mouse or keyboard?			
Firmware			
Special hardware asked			
Driver loaded by hand			
Product key? Licence?			
Kind of account			
How you become administrator			
RAM used at rest			
Disk used after install			
What you see after login			

DONE WHEN every cell has an answer and you can say where each number was read.

TASK 3 **Three jobs, three systems (alone)**

Choose one of your three systems for each job. Give **two facts from your table** as reasons.

A. A small office needs a machine in a cupboard that stores everyone's files. On all day, no screen.

_____

B. A designer must run a commercial design program that is sold only for Windows.

C. A school wants to reuse 20 PCs from 2014 (4 GB of RAM, no TPM) for browsing and office work.

DONE WHEN each answer names a system and two facts.

TASK 4 **Finish your reports**

Tick each line for `practical-2.4-surname.md` and for `practical-2.5-surname.md`.

My report has…	2.4	2.5
the sections of the report template from 23/10, in order	☐	☐
the VM's specification as a table (vCPU, RAM, disk, firmware, ISO)	☐	☐
each decision with its reason, in my own words	☐	☐
the real output of my checks, not a classmate's	☐	☐
one problem I had and how I solved it	☐	☐
the snapshot `clean` mentioned, and why it exists	☐	☐

DONE WHEN both columns are ticked and both files are on Google Classroom (deadline: Sunday 08/11, 23:59).

EXIT TICKET

Alone, no notes. Tick one answer.

1. Why does `ubu-srv` use the least RAM of the three?

☐ a) Ubuntu is newer than Debian ☐ b) It has no graphical desktop
☐ c) It has the smallest disk ☐ d) It uses BIOS instead of UEFI

2. Debian saw the VirtIO disk at once; Windows did not. Why?

☐ a) Debian's ISO is smaller ☐ b) Windows needs a product key first
☐ c) Secure Boot hides disks from Windows ☐ d) The Linux kernel already includes that driver

3. Why can Windows 11 not be installed on the school's PCs from 2014?

☐ a) They fail its hardware check (TPM 2.0, CPU) ☐ b) Their disks are too big
☐ c) Windows 11 needs no desktop ☐ d) They only accept free software

4. What is the right way to choose an operating system?

☐ a) Take the one with the newest version number ☐ b) Take the one that uses least RAM
☐ c) Start from the job, the machine and the budget, with facts ☐ d) Take the one most people have at home