

## WORKED EXAMPLES PACK

# Network Addressing Worked Examples Guide

A worked-examples pack for decoding prefixes, finding ranges, and planning practical IPv4 subnets from real host requirements rather than memorised tables alone.

### QUICK OVERVIEW

**Category: computing networking**

Includes 1 related guide page.

Links back to 3 calculator tools.

### FORMULA HIGHLIGHTS

Wildcard mask

**255.255.255.255 - subnet mask**

### HOW TO USE THIS PACK

This pack is built around solved examples so you can see each boundary decision in context rather than jumping straight to the final answer.

### EXAMPLE SET

- Decode a /27 host range from a given address.
- Convert CIDR to dotted-decimal mask and back.
- Choose a suitable prefix from a host requirement.
- Derive a wildcard mask for policy matching.

### WHAT TO CHECK EACH TIME

- Which octet is interesting?
- What is the block size?
- What are the network and broadcast boundaries?
- How many usable hosts remain?

### BEST OFFLINE USE

Keep this pack for revision, interview practice, certification prep, and change-window checks where a manual subnetting sanity check is still valuable.