**Ruteo OSPF con Múltiples Áreas**

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| **ESPECIFICACIÓN: A** |
| **Dirección IP de la subred: 192.168.1.0/24** |
| **Máscara de subred: 255.255.255.0** |
| **Cantidad de host utilizables por la subred: 254** |
| **Primera dirección del host: 192.168.1.1** |
| **Última dirección de host: 192.168.1.254** |

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| **ESPECIFICACIÓN: B** |
| **Dirección IP de la subred: 192.168.2.0/24** |
| **Máscara de subred: 255.255.255.0** |
| **Cantidad de host utilizables por la subred: 254** |
| **Primera dirección del host: 192.168.2.1** |
| **Última dirección de host: 192.168.2.254** |

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| **ESPECIFICACIÓN: D** |
| **Dirección IP de la subred: 193.168.0.0/24** |
| **Máscara de subred: 255.255.255.0** |
| **Cantidad de host utilizables por la subred: 254** |
| **Primera dirección del host: 193.168.0.1** |
| **Última dirección de host: 193.168.0.254** |

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| **ESPECIFICACIÓN: C** |
| **Dirección IP de la subred: 193.168.1.0/25** |
| **Máscara de subred: 255.255.255.128** |
| **Cantidad de host utilizables por la subred: 126** |
| **Primera dirección del host: 193.168.1.1** |
| **Última dirección de host: 193.168.1.126** |

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| **ESPECIFICACIÓN: F** |
| **Dirección IP de la subred: 194.168.0.0/23** |
| **Máscara de subred: 255.255.254.0** |
| **Cantidad de host utilizables por la subred: 510** |
| **Primera dirección del host: 194.168.0.1** |
| **Última dirección de host: 194.168.1.254** |

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| **ESPECIFICACIÓN: E** |
| **Dirección IP de la subred: 194.168.2.0/25** |
| **Máscara de subred: 255.255.255.128** |
| **Cantidad de host utilizables por la subred: 126** |
| **Primera dirección del host: 194.168.2.1** |
| **Última dirección de host: 194.168.2.126** |

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| **ESPECIFICACIÓN: G** |
| **Dirección IP de la subred: 195.168.1.0/25** |
| **Máscara de subred: 255.255.255.128** |
| **Cantidad de host utilizables por la subred: 126** |
| **Primera dirección del host: 195.168.1.1** |
| **Última dirección de host: 195.168.1.126** |

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| **Dispositivo** | **Interfaz** | **Dirección IP** | **Máscara de Subred** | **Gateway por defecto** |
| R0 | Fa0/0 | 192.168.1.254 | 255.255.255.0 | ––– |
| Fa0/1 | 192.168.2.254 | 255.255.255.0 | ––– |
| Se0/0/0 | 1.2.3.1 | 255.255.255.252 | ––– |
| R1 | Se0/0/0 | 1.2.3.2 | 255.255.255.252 | ––– |
| Se0/0/1 | 1.2.4.1 | 255.255.255.252 | ––– |
| R2 | Fa0/0 | 193.168.0.254 | 255.255.255.0 | ––– |
| Fa0/1 | 193.168.1.126 | 255.255.255.128 | ––– |
| Se0/0/0 | 1.4.8.1 | 255.255.255.252 | ––– |
| R3 | Se0/0/0 | 1.2.4.2 | 255.255.255.252 | ––– |
| Se0/0/1 | 2.4.6.1 | 255.255.255.252 | ––– |
| Se0/1/0 | 3.6.9.1 | 255.255.255.252 | ––– |
| R4 | Se0/0/0 | 4.5.6.1 | 255.255.255.252 | ––– |
| Se0/0/1 | 3.6.9.2 | 255.255.255.252 | ––– |
| R5 | Fa0/0 | 194.168.1.254 | 255.255.254.0 | ––– |
| Fa0/1 | 194.168.2.126 | 255.255.255.128 | ––– |
| Se0/0/0 | 4.5.6.2 | 255.255.255.252 | ––– |
| R6 | Fa0/0 | 195.168.1.126 | 255.255.255.128 | ––– |
| Se0/0/0 | 1.4.8.2 | 255.255.255.252 | ––– |
| Se0/0/1 | 2.4.6.2 | 255.255.255.252 | ––– |
| PC0 | NIC | 192.168.1.1 | 255.255.255.0 | 192.168.1.254 |
| PC1 | NIC | 192.168.1.2 | 255.255.255.0 | 192.168.1.254 |
| PC2 | NIC | 192.168.2.1 | 255.255.255.0 | 192.168.2.254 |
| PC3 | NIC | 192.168.2.2 | 255.255.255.0 | 192.168.2.254 |
| PC4 | NIC | 193.168.0.1 | 255.255.255.0 | 193.168.0.254 |
| PC5 | NIC | 193.168.0.2 | 255.255.255.0 | 193.168.0.254 |
| PC6 | NIC | 193.168.1.1 | 255.255.255.128 | 193.168.1.126 |
| PC7 | NIC | 193.168.1.2 | 255.255.255.128 | 193.168.1.126 |
| PC8 | NIC | 194.168.0.1 | 255.255.254.0 | 194.168.1.254 |
| PC9 | NIC | 194.168.0.2 | 255.255.254.0 | 194.168.1.254 |
| PC10 | NIC | 194.168.2.1 | 255.255.255.128 | 194.168.2.126 |
| PC11 | NIC | 194.168.2.2 | 255.255.255.128 | 194.168.2.126 |
| PC12 | NIC | 195.168.1.1 | 255.255.255.128 | 195.168.1.126 |
| PC13 | NIC | 195.168.1.2 | 255.255.255.128 | 195.168.1.126 |

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| **Origen** | **Máscara** | **Dirección de red** | **Dirección de Próximo Salto** | **Interfaz de salida** |
| R0 | 255.255.255.252 | 1.2.3.0 | –––– | Se0/0/0 |
| 1.2.4.0 | 1.2.3.2 | Se0/0/0 |
| 1.4.8.0 | 1.2.3.2 | Se0/0/0 |
| 255.255.255.252 | 2.4.6.0 | 1.2.3.2 | Se0/0/0 |
| 255.255.255.252 | 3.6.9.0 | 1.2.3.2 | Se0/0/0 |
| 255.255.255.252 | 4.5.6.0 | 1.2.3.2 | Se0/0/0 |
| 255.255.255.0 | 192.168.1.0 | –––– | Fa0/0 |
| 192.168.2.0 | –––– | Fa0/0 |
| 255.255.255.0 | 193.168.0.0 | 1.2.3.2 | Se0/0/0 |
| 255.255.255.128 | 193.168.1.0 | 1.2.3.2 | Se0/0/0 |
| 255.255.254.0 | 194.168.0.0 | 1.2.3.2 | Se0/0/0 |
| 255.255.255.128 | 194.168.2.0 | 1.2.3.2 | Se0/0/0 |
| 255.255.255.128 | 195.168.1.0 | 1.2.3.2 | Se0/0/0 |

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| **Origen** | **Máscara** | **Dirección de red** | **Dirección de Próximo Salto** | **Interfaz de salida** |
| R1 | 255.255.255.252 | 1.2.3.0 | –––– | Se0/0/0 |
| 1.2.4.0 | –––– | Se0/0/1 |
| 1.4.8.0 | 1.2.4.2 | Se0/0/1 |
| 255.255.255.252 | 2.4.6.0 | 1.2.4.2 | Se0/0/1 |
| 255.255.255.252 | 3.6.9.0 | 1.2.4.2 | Se0/0/1 |
| 255.255.255.252 | 4.5.6.0 | 1.2.4.2 | Se0/0/1 |
| 255.255.255.0 | 192.168.1.0 | 1.2.3.1 | Se0/0/0 |
| 192.168.2.0 | 1.2.3.1 | Se0/0/0 |
| 255.255.255.0 | 193.168.0.0 | 1.2.4.2 | Se0/0/1 |
| 255.255.255.128 | 193.168.1.0 | 1.2.4.2 | Se0/0/1 |
| 255.255.254.0 | 194.168.0.0 | 1.2.4.2 | Se0/0/1 |
| 255.255.255.128 | 194.168.2.0 | 1.2.4.2 | Se0/0/1 |
| 255.255.255.128 | 195.168.1.0 | 1.2.4.2 | Se0/0/1 |

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| **Origen** | **Máscara** | **Dirección de red** | **Dirección de Próximo Salto** | **Interfaz de salida** |
| R2 | 255.255.255.252 | 1.2.3.0 | 1.4.8.2 | Se0/0/0 |
| 1.2.4.0 | 1.4.8.2 | Se0/0/0 |
| 1.4.8.0 | –––– | Se0/0/0 |
| 255.255.255.252 | 2.4.6.0 | 1.4.8.2 | Se0/0/0 |
| 255.255.255.252 | 3.6.9.0 | 1.4.8.2 | Se0/0/0 |
| 255.255.255.252 | 4.5.6.0 | 1.4.8.2 | Se0/0/0 |
| 255.255.255.0 | 192.168.1.0 | 1.4.8.2 | Se0/0/0 |
| 192.168.2.0 | 1.4.8.2 | Se0/0/0 |
| 255.255.255.0 | 193.168.0.0 | –––– | Fa0/0 |
| 255.255.255.128 | 193.168.1.0 | –––– | Fa0/1 |
| 255.255.254.0 | 194.168.0.0 | 1.4.8.2 | Se0/0/0 |
| 255.255.255.128 | 194.168.2.0 | 1.4.8.2 | Se0/0/0 |
| 255.255.255.128 | 195.168.1.0 | 1.4.8.2 | Se0/0/0 |

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| **Origen** | **Máscara** | **Dirección de red** | **Dirección de Próximo Salto** | **Interfaz de salida** |
| R3 | 255.255.255.252 | 1.2.3.0 | 1.2.4.1 | Se0/0/0 |
| 1.2.4.0 | –––– | Se0/0/0 |
| 1.4.8.0 | 2.4.6.2 | Se0/0/1 |
| 255.255.255.252 | 2.4.6.0 | –––– | Se0/0/1 |
| 255.255.255.252 | 3.6.9.0 | –––– | Se0/1/0 |
| 255.255.255.252 | 4.5.6.0 | 3.6.9.2 | Se0/1/0 |
| 255.255.255.0 | 192.168.1.0 | 1.2.4.1 | Se0/0/0 |
| 192.168.2.0 | 1.2.4.1 | Se0/0/0 |
| 255.255.255.0 | 193.168.0.0 | 2.4.6.2 | Se0/0/1 |
| 255.255.255.128 | 193.168.1.0 | 2.4.6.2 | Se0/0/1 |
| 255.255.254.0 | 194.168.0.0 | 3.6.9.2 | Se0/1/0 |
| 255.255.255.128 | 194.168.2.0 | 3.6.9.2 | Se0/1/0 |
| 255.255.255.128 | 195.168.1.0 | 2.4.6.2 | Se0/0/1 |

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| **Origen** | **Máscara** | **Dirección de red** | **Dirección de Próximo Salto** | **Interfaz de salida** |
| R4 | 255.255.255.252 | 1.2.3.0 | 3.6.9.1 | Se0/0/1 |
| 1.2.4.0 | 3.6.9.1 | Se0/0/1 |
| 1.4.8.0 | 3.6.9.1 | Se0/0/1 |
| 255.255.255.252 | 2.4.6.0 | 3.6.9.1 | Se0/0/1 |
| 255.255.255.252 | 3.6.9.0 | –––– | Se0/0/1 |
| 255.255.255.252 | 4.5.6.0 | –––– | Se0/0/0 |
| 255.255.255.0 | 192.168.1.0 | 3.6.9.1 | Se0/0/1 |
| 192.168.2.0 | 3.6.9.1 | Se0/0/1 |
| 255.255.255.0 | 193.168.0.0 | 3.6.9.1 | Se0/0/1 |
| 255.255.255.128 | 193.168.1.0 | 3.6.9.1 | Se0/0/1 |
| 255.255.254.0 | 194.168.0.0 | 4.5.6.2 | Se0/0/0 |
| 255.255.255.128 | 194.168.2.0 | 4.5.6.2 | Se0/0/0 |
| 255.255.255.128 | 195.168.1.0 | 3.6.9.1 | Se0/0/1 |

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| **Origen** | **Máscara** | **Dirección de red** | **Dirección de Próximo Salto** | **Interfaz de salida** |
| R5 | 255.255.255.252 | 1.2.3.0 | 4.5.6.1 | Se0/0/0 |
| 1.2.4.0 | 4.5.6.1 | Se0/0/0 |
| 1.4.8.0 | 4.5.6.1 | Se0/0/0 |
| 255.255.255.252 | 2.4.6.0 | 4.5.6.1 | Se0/0/0 |
| 255.255.255.252 | 3.6.9.0 | 4.5.6.1 | Se0/0/0 |
| 255.255.255.252 | 4.5.6.0 | –––– | Se0/0/0 |
| 255.255.255.0 | 192.168.1.0 | 4.5.6.1 | Se0/0/0 |
| 192.168.2.0 | 4.5.6.1 | Se0/0/0 |
| 255.255.255.0 | 193.168.0.0 | 4.5.6.1 | Se0/0/0 |
| 255.255.255.128 | 193.168.1.0 | 4.5.6.1 | Se0/0/0 |
| 255.255.254.0 | 194.168.0.0 | –––– | Fa0/0 |
| 255.255.255.128 | 194.168.2.0 | –––– | Fa0/1 |
| 255.255.255.128 | 195.168.1.0 | 4.5.6.1 | Se0/0/0 |

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| **Origen** | **Máscara** | **Dirección de red** | **Dirección de Próximo Salto** | **Interfaz de salida** |
| R5 | 255.255.255.252 | 1.2.3.0 | 2.4.6.1 | Se0/0/1 |
| 1.2.4.0 | 2.4.6.1 | Se0/0/1 |
| 1.4.8.0 | –––– | Se0/0/0 |
| 255.255.255.252 | 2.4.6.0 | –––– | Se0/0/1 |
| 255.255.255.252 | 3.6.9.0 | 2.4.6.1 | Se0/0/1 |
| 255.255.255.252 | 4.5.6.0 | 2.4.6.1 | Se0/0/1 |
| 255.255.255.0 | 192.168.1.0 | 2.4.6.1 | Se0/0/1 |
| 192.168.2.0 | 2.4.6.1 | Se0/0/1 |
| 255.255.255.0 | 193.168.0.0 | 1.4.8.1 | Se0/0/0 |
| 255.255.255.128 | 193.168.1.0 | 1.4.8.1 | Se0/0/0 |
| 255.255.254.0 | 194.168.0.0 | 2.4.6.1 | Se0/0/1 |
| 255.255.255.128 | 194.168.2.0 | 1.4.8.1 | Se0/0/1 |
| 255.255.255.128 | 195.168.1.0 | –––– | Fa0/0 |





