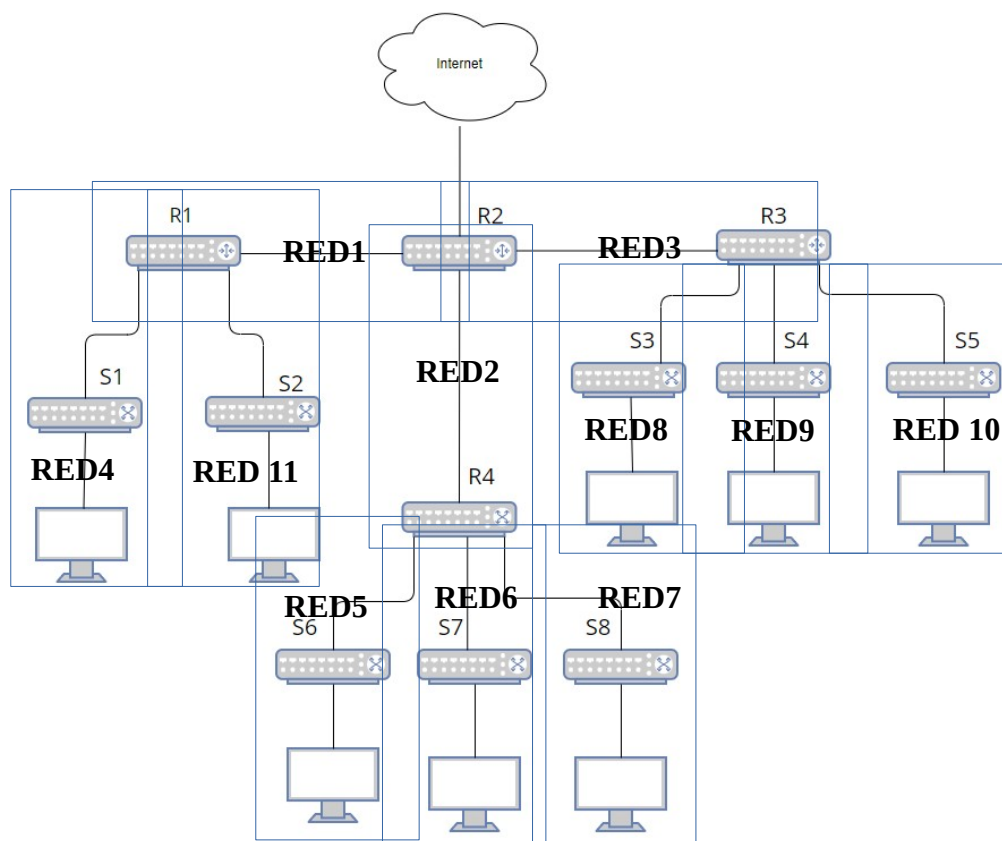


## Ejercicio

Se va a instalar una red de computadores con el diagrama adjuntado. La dirección IP a utilizar como referencia es 172.19.7.4 . **Completar la tabla** de direcciones IP e **indicar en el diagrama** la dirección ip adjudicada a cada equipo(*que lo necesite*). Es importante que el diseño esté ajustado al número de subredes, en un futuro se plantea añadir más ordenadores pero no crear más subredes. **Anotación:** En cada subred se van a conectar 100 ordenadores



**RED1** → FC00::0 → FC00::0:0:0:64 → ROUTER → FC00::65  
**RED2** → FC00:0:0:1::0 → FC00:0:0:1::64 → ROUTER → FC00:0:0:1::65  
**RED3** → FC00:0:0:2::0 → FC00:0:0:2::64 → ROUTER → FC00:0:0:2::65  
**RED4** → FC00:0:0:3::0 → FC00:0:0:3::64 → ROUTER → FC00:0:0:3::65  
**RED5** → FC00:0:0:4::0 → FC00:0:0:4::64 → ROUTER → FC00:0:0:4::65  
**RED6** → FC00:0:0:5::0 → FC00:0:0:5::64 → ROUTER → FC00:0:0:5::65  
**RED7** → FC00:0:0:6::0 → FC00:0:0:6::64 → ROUTER → FC00:0:0:6::65  
**RED8** → FC00:0:0:7::0 → FC00:0:0:7::64 → ROUTER → FC00:0:0:7::65  
**RED9** → FC00:0:0:8::0 → FC00:0:0:8::64 → ROUTER → FC00:0:0:8::65  
**RED10** → FC00:0:0:9::0 → FC00:0:0:9::64 → ROUTER → FC00:0:0:9::65  
**RED11** → FC00:0:0:A::0 → FC00:0:0:A::64 → ROUTER → FC00:0:0:A::65

Nombre Subred	Máscara Subred	Dir. Subred	Rango direcciones asignables	N.º Host posibles
1	FC00::/64	FC00::	FC00::0 FC00::FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
2	FC00::/64	FC00:0:0:1::	FC00:0:0:1::0 FC00::1:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
3	FC00::/64	FC00:0:0:2::	FC00:0:0:2::0 FC00::2:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
4	FC00::/64	FC00:0:0:3::	FC00:0:0:3::0 FC00::3:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
5	FC00::/64	FC00:0:0:4::	FC00:0:0:4::0 FC00::4:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
6	FC00::/64	FC00:0:0:5::	FC00:0:0:5::0 FC00::5:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
7	FC00::/64	FC00:0:0:6::	FC00:0:0:6::0 FC00::6:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
8	FC00::/64	FC00:0:0:7::	FC00:0:0:7::0 FC00::7:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
9	FC00::/64	FC00:0:0:8::	FC00:0:0:8::0 FC00::8:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
10	FC00::/64	FC00:0:0:9::	FC00:0:0:9::0 FC00::9:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>
11	FC00::/64	FC00:0:0:A::	FC00:0:0:A::0 FC00::A:FFFF:FFFF:FFFF:FFFF	16 <sup>16</sup>