

# تکلیف چهارم

مجتبی ملائی  
۴۰۱۳۱۳۸۳

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Ingress	IP.src	IP.des	Action	Comment
1	10.3.**	10.1.**	forward to 2	From h5/h6 to h1/h2, incoming from port 1, send to port 2
2	10.1.**	10.3.**	forward to 1	From h1/h2 to h5/h6, incoming from port 2, send to port 1
1	****	10.2.0.4	forward to 4	From any to h4, incoming from port 1, send to port 4
1	****	10.2.0.3	forward to 3	From any to h3, incoming from port 1, send to port 3
2	****	10.2.0.4	forward to 4	From any to h4, incoming from port 2, send to port 4
2	****	10.2.0.3	forward to 3	From any to h3, incoming from port 2, send to port 3
3	10.2.0.3	10.2.0.4	forward to 4	From h3 to h4, incoming from port 3, send to port 4
4	10.2.0.4	10.2.0.3	forward to 3	From h4 to h3, incoming from port 4, send to port 3

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Ingress	IP.src	IP.des	Action	Comment
3	10.2.0.3	10.1.**	forward to 2	From h3 to h1/h2, incoming from port 3, send to port 2
3	10.2.0.3	10.3.**	forward to 2	From h3 to h5/h6, incoming from port 3, send to port 2
4	10.2.0.4	10.1.**	forward to 1	From h4 to h1/h2, incoming from port 4, send to port 1
4	10.2.0.4	10.3.**	forward to 1	From h4 to h5/h6, incoming from port 3, send to port 1

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در S1:

Ingress	IP.src	IP.des	Action	Comment
*	10.2.**	10.1.0.1	forward to 2	From h3/h4 to h1, incoming from any port, send to port 2
*	10.2.**	10.1.0.2	forward to 3	From h3/h4 to h2, incoming from any port, send to port 3
*	10.2.**	10.3.**	forward to 1	From h3/h4 to h5/h6, incoming from any port, send to port 1

در S3:

Ingress	IP.src	IP.des	Action	Comment
*	10.2.**	10.3.0.6	forward to 1	From h3/h4 to h6, incoming from any port, send to port 1
*	10.2.**	10.3.0.5	forward to 2	From h3/h4 to h5, incoming from any port, send to port 2
*	10.2.**	10.1.**	forward to 3	From h3/h4 to h1/h2, incoming from any port, send to port 3

پکت هایی که برای مسیر آنها سطری در جدول وجود ندارد دراپ خواهند شد.

Ingress	IP.src	IP.des	Action	Comment
2	10.1.0.1	10.2.0.3	forward to 3	Allow h1 to h3
2	10.1.0.1	10.2.0.4	forward to 4	Allow h1 to h4
1	10.3.0.6	10.2.0.3	forward to 3	Allow h6 to h3
1	10.3.0.6	10.2.0.4	forward to 4	Allow h6 to h4

Ingress	IP.proto	ip.src	IP.des	Action	Comment
*	TCP	****	10.2.0.3	forward to 3	Allow TCP to h3
*	TCP	****	10.2.0.4	forward to 4	Allow TCP to h4

Ingress	IP.src	IP.des	Action	Comment
*	****	10.2.0.3	forward to 3	Allow all to h3

Ingress	IP.proto	IP.src	IP.des	Action	Comment
*	UDP	10.1.0.1	10.2.0.3	forward to 3	Allow only UDP from h1 to h3